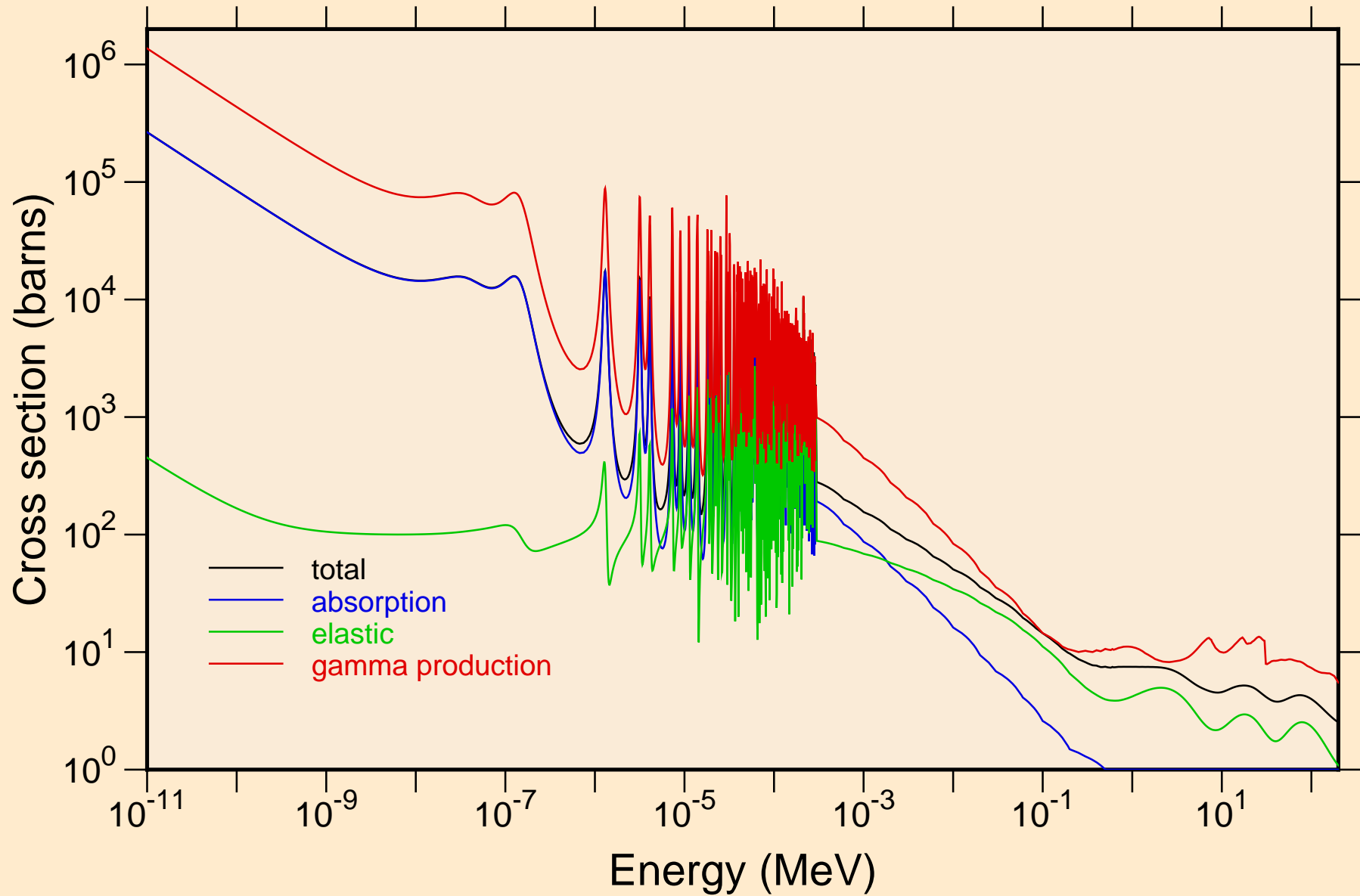
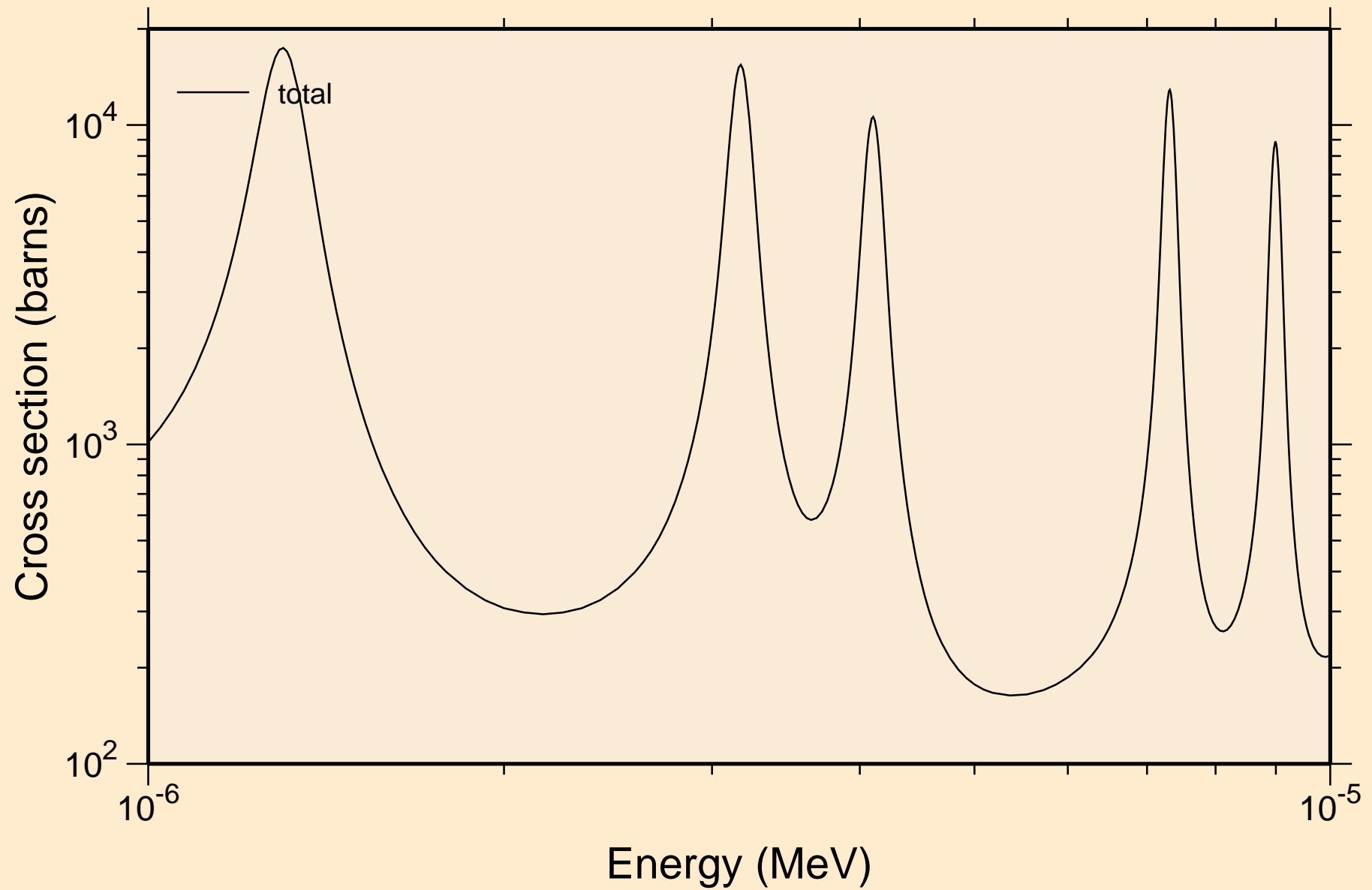


# ER163 NRG TENDL-2015, AKONING

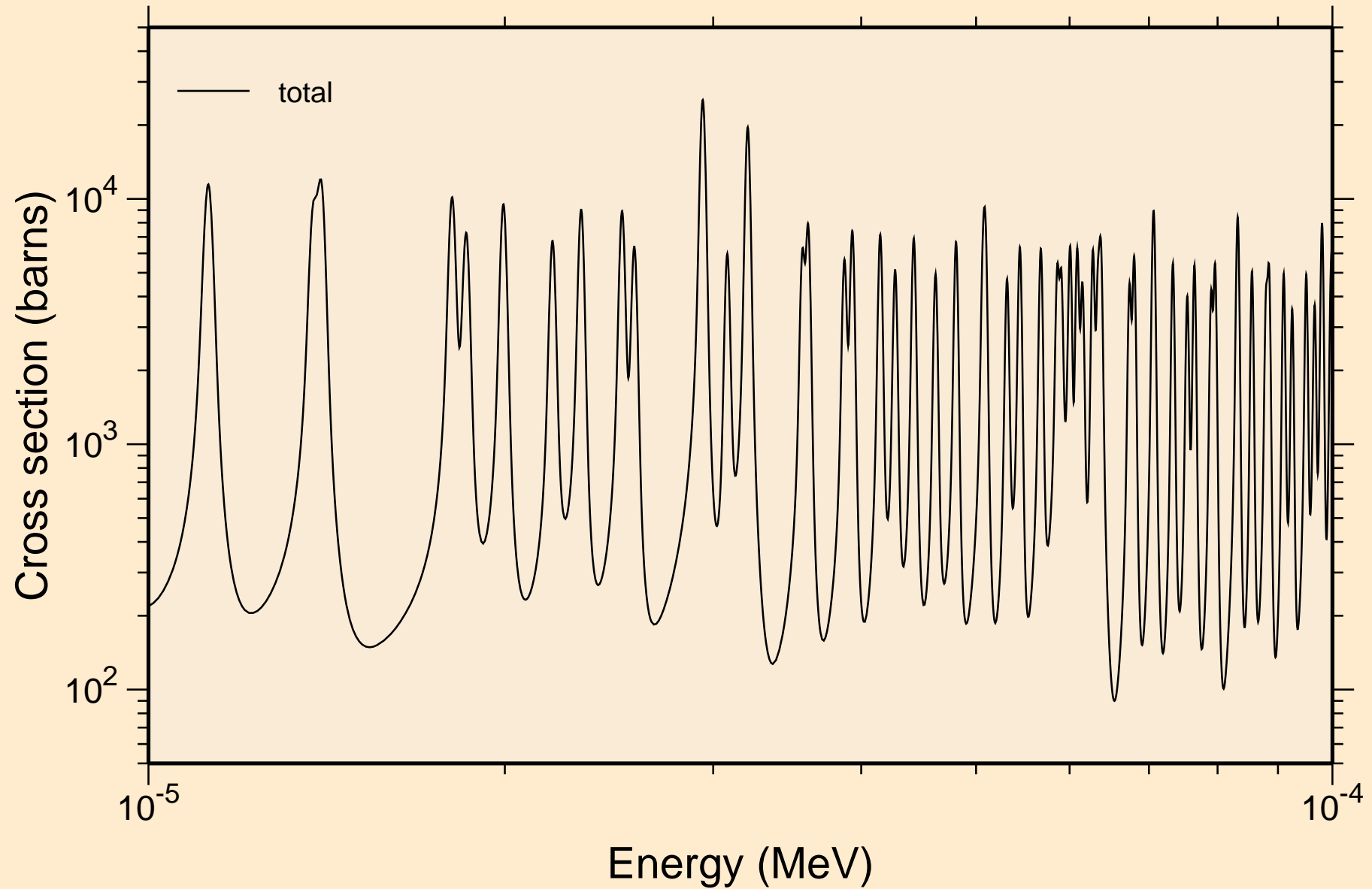
## Principal cross sections



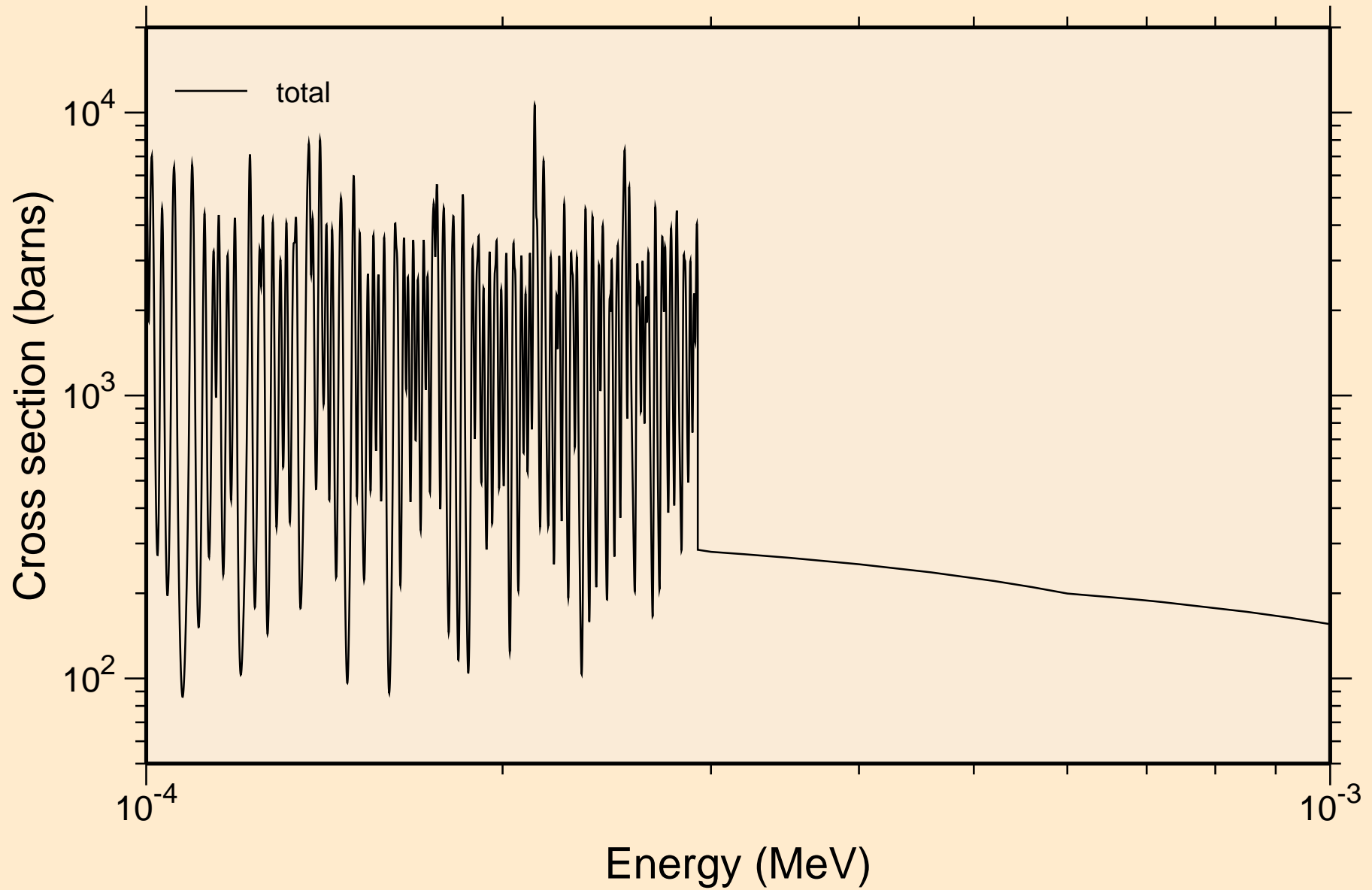
ER163 NRG TENDL-2015, AKONING  
resonance total cross section



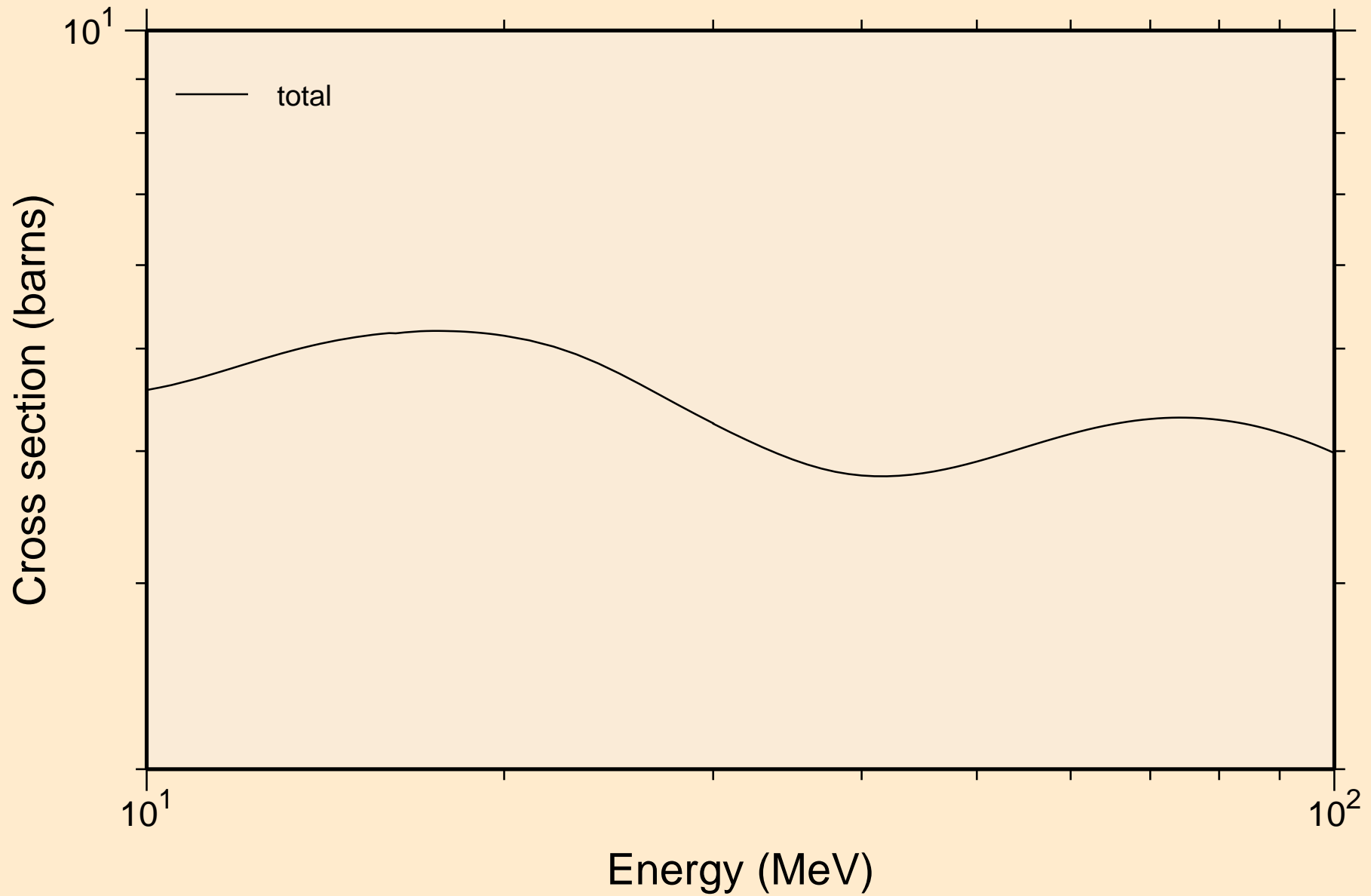
ER163 NRG TENDL-2015, AKONING  
resonance total cross section



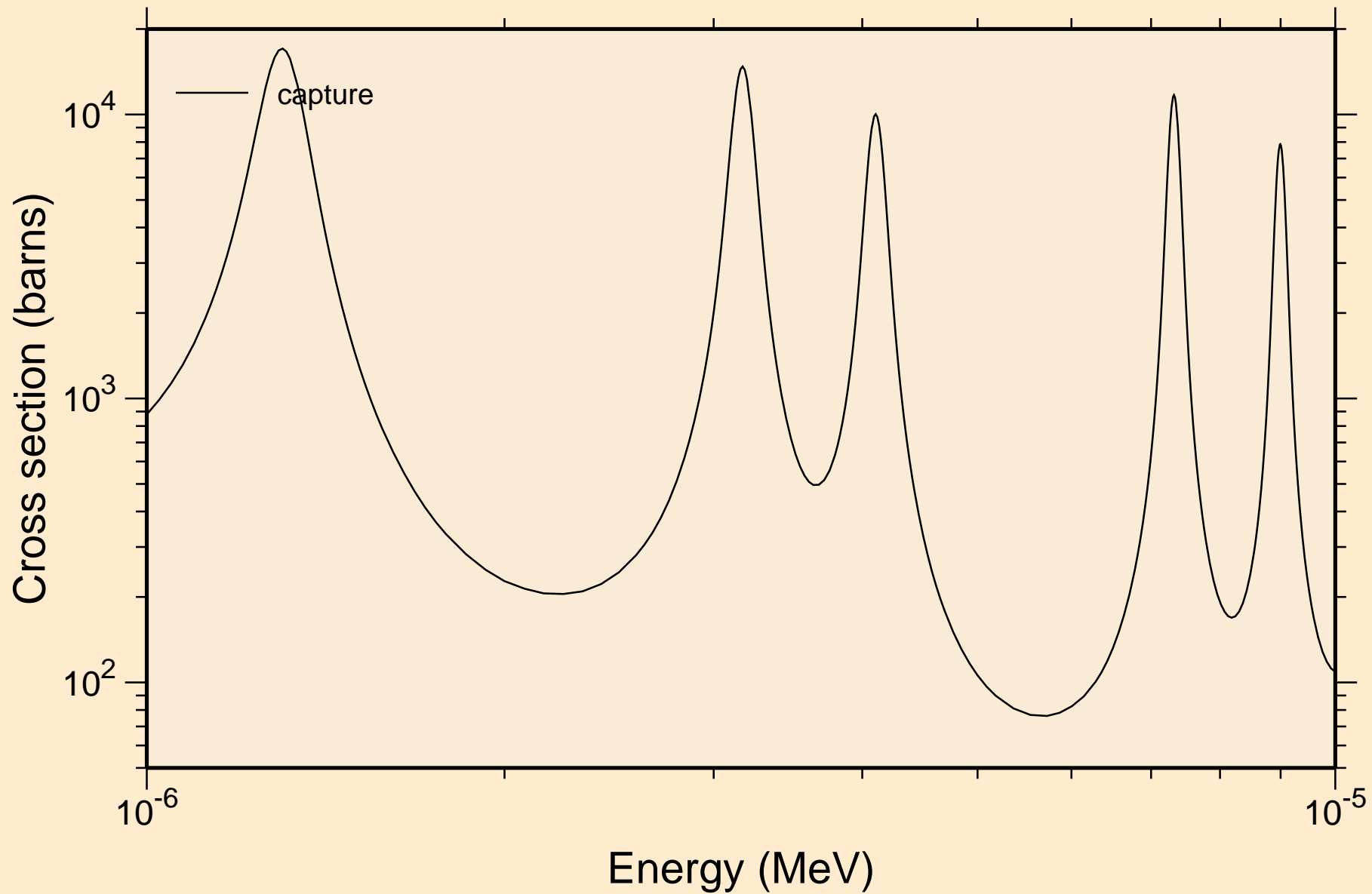
ER163 NRG TENDL-2015, AKONING  
resonance total cross section



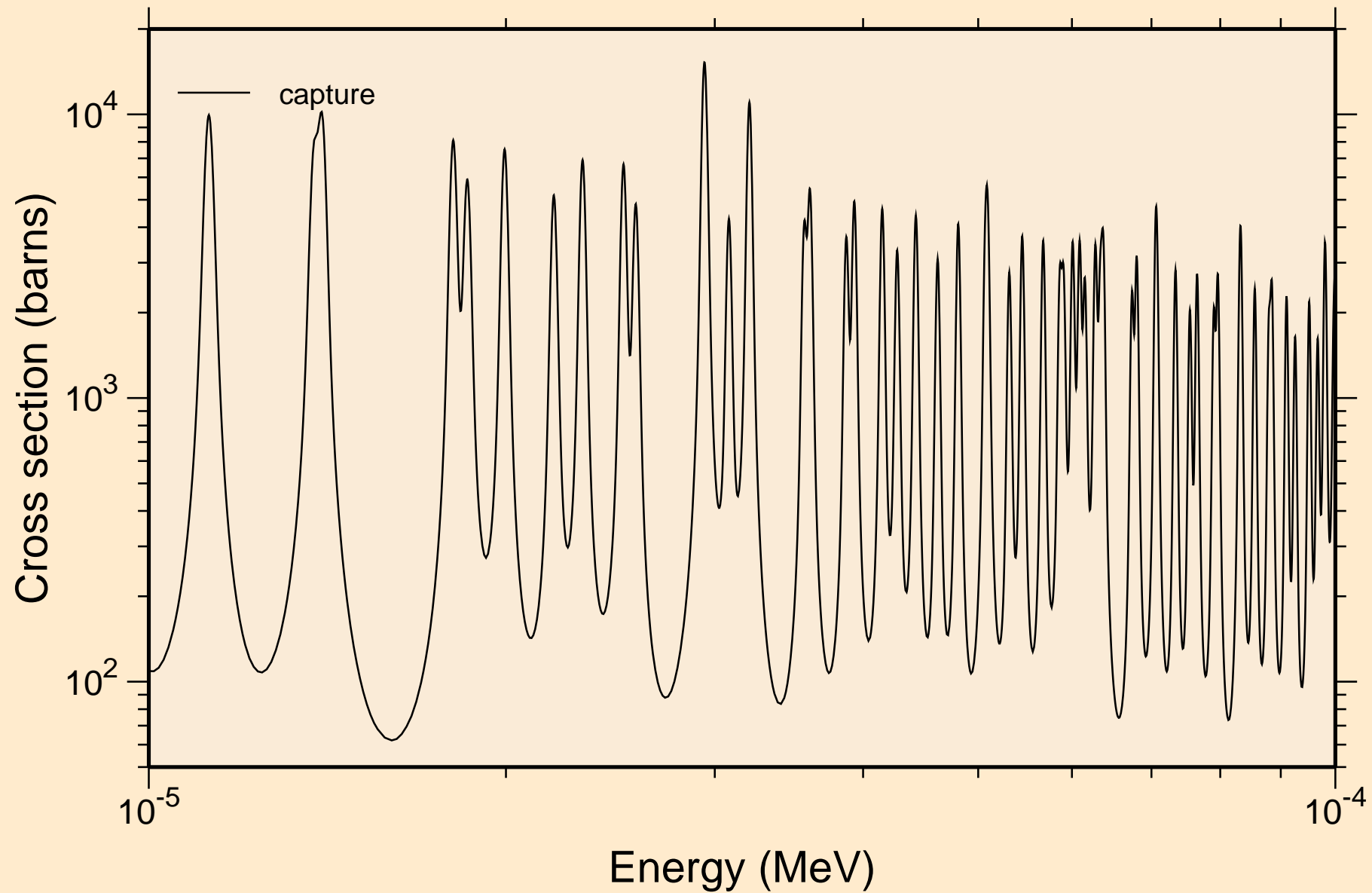
ER163 NRG TENDL-2015, AKONING  
resonance total cross section



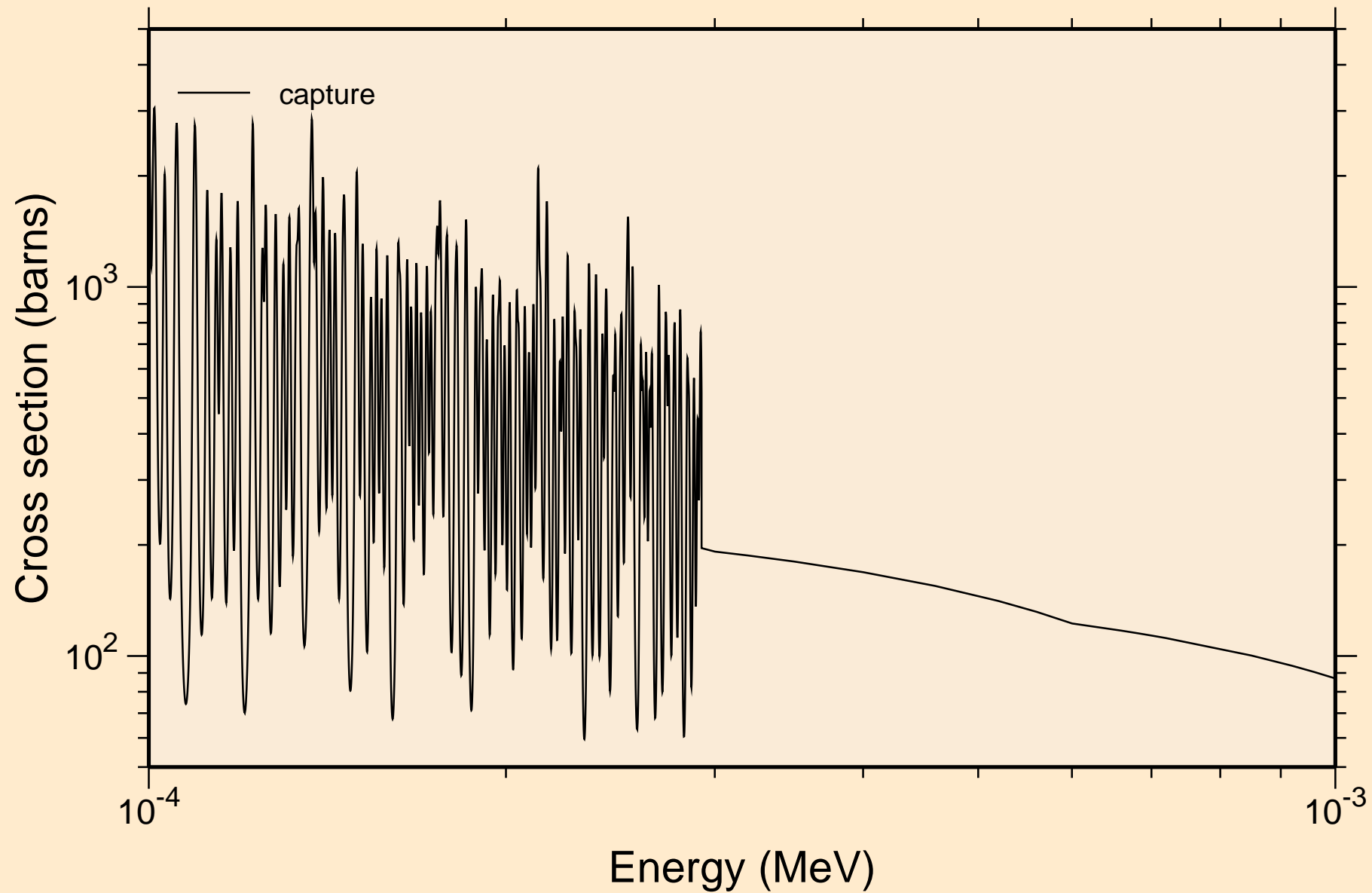
ER163 NRG TENDL-2015, AKONING  
resonance absorption cross sections



ER163 NRG TENDL-2015, AKONING  
resonance absorption cross sections

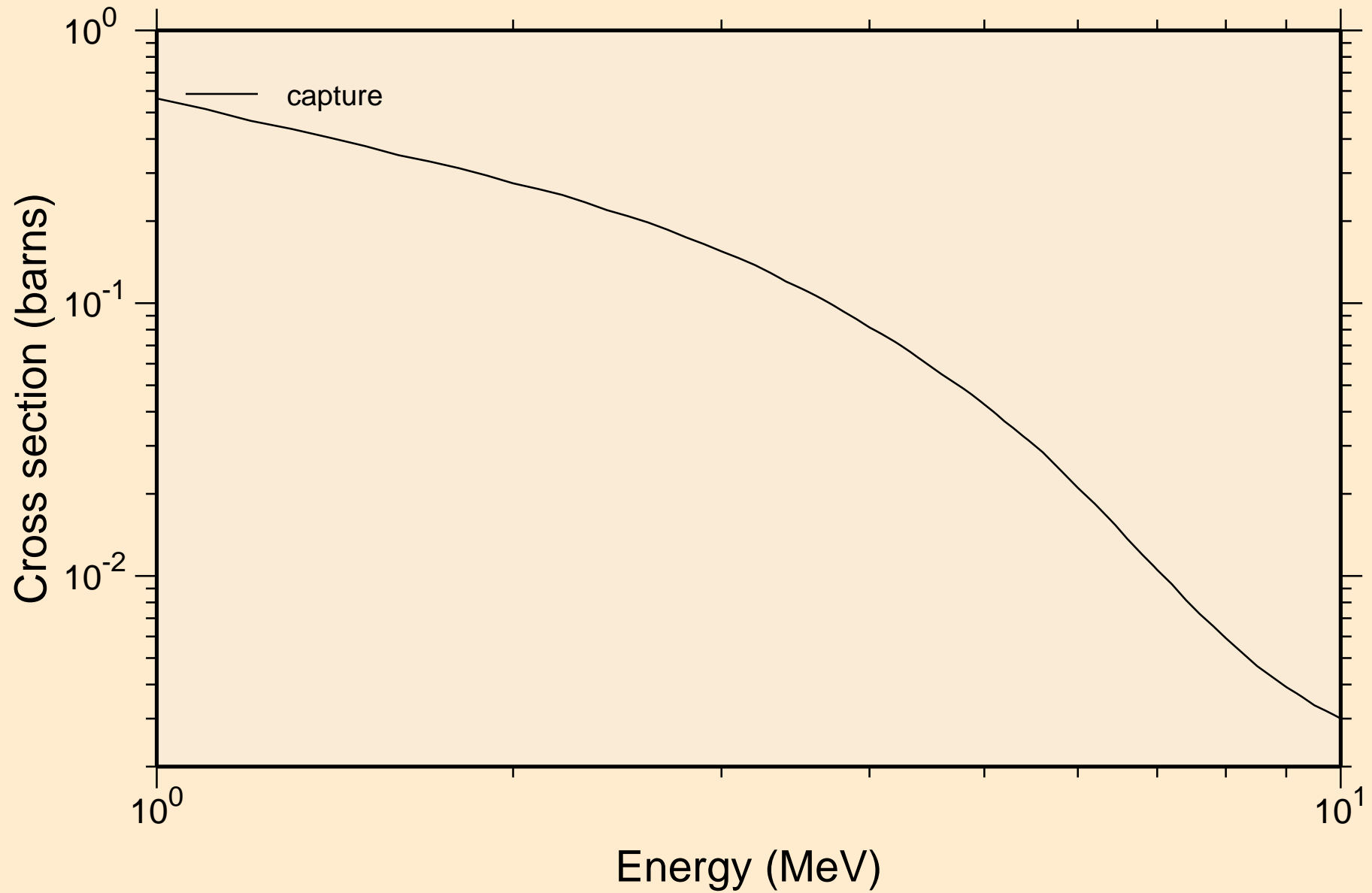


ER163 NRG TENDL-2015, AKONING  
resonance absorption cross sections



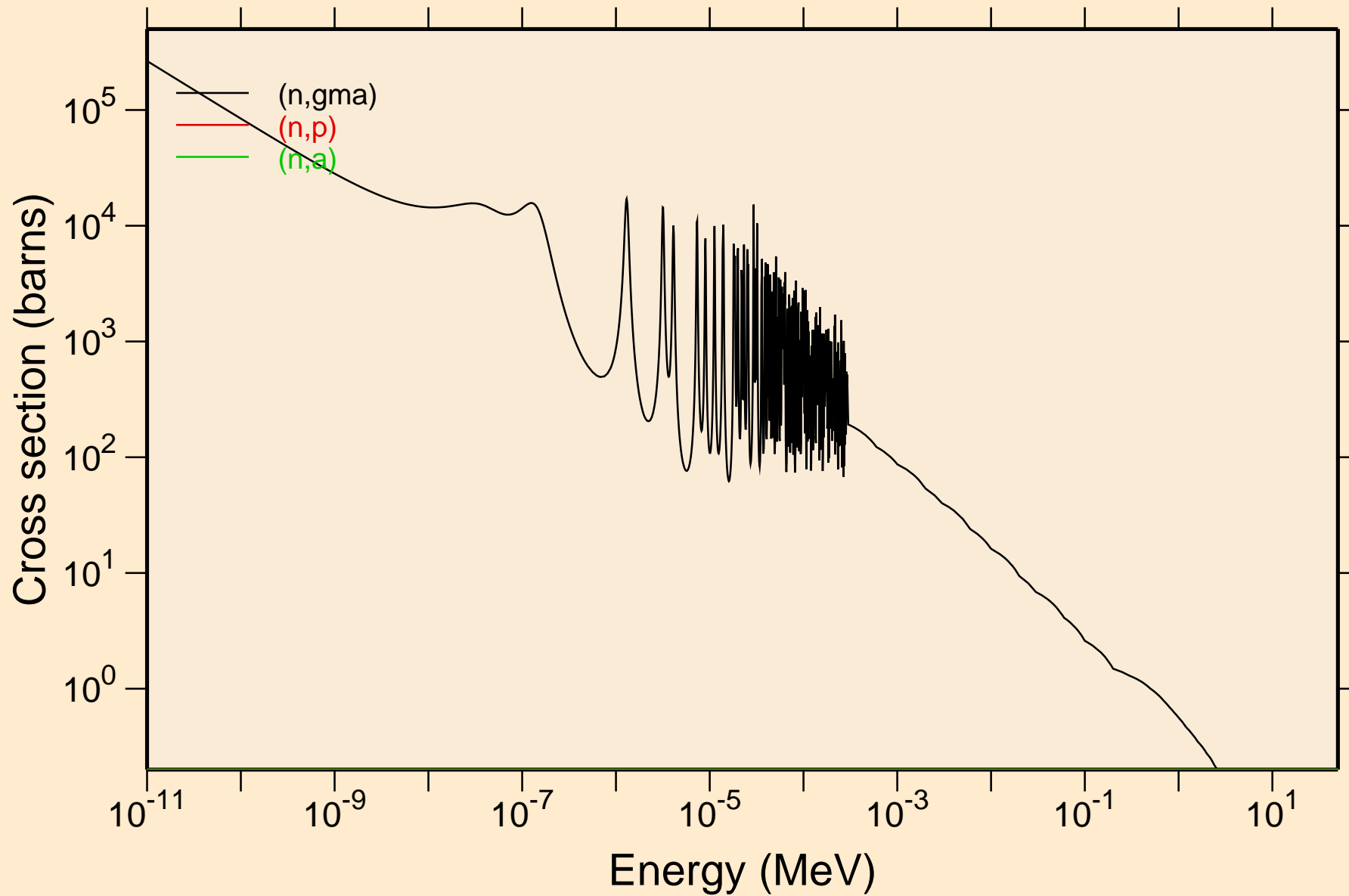


ER163 NRG TENDL-2015, AKONING  
resonance absorption cross sections



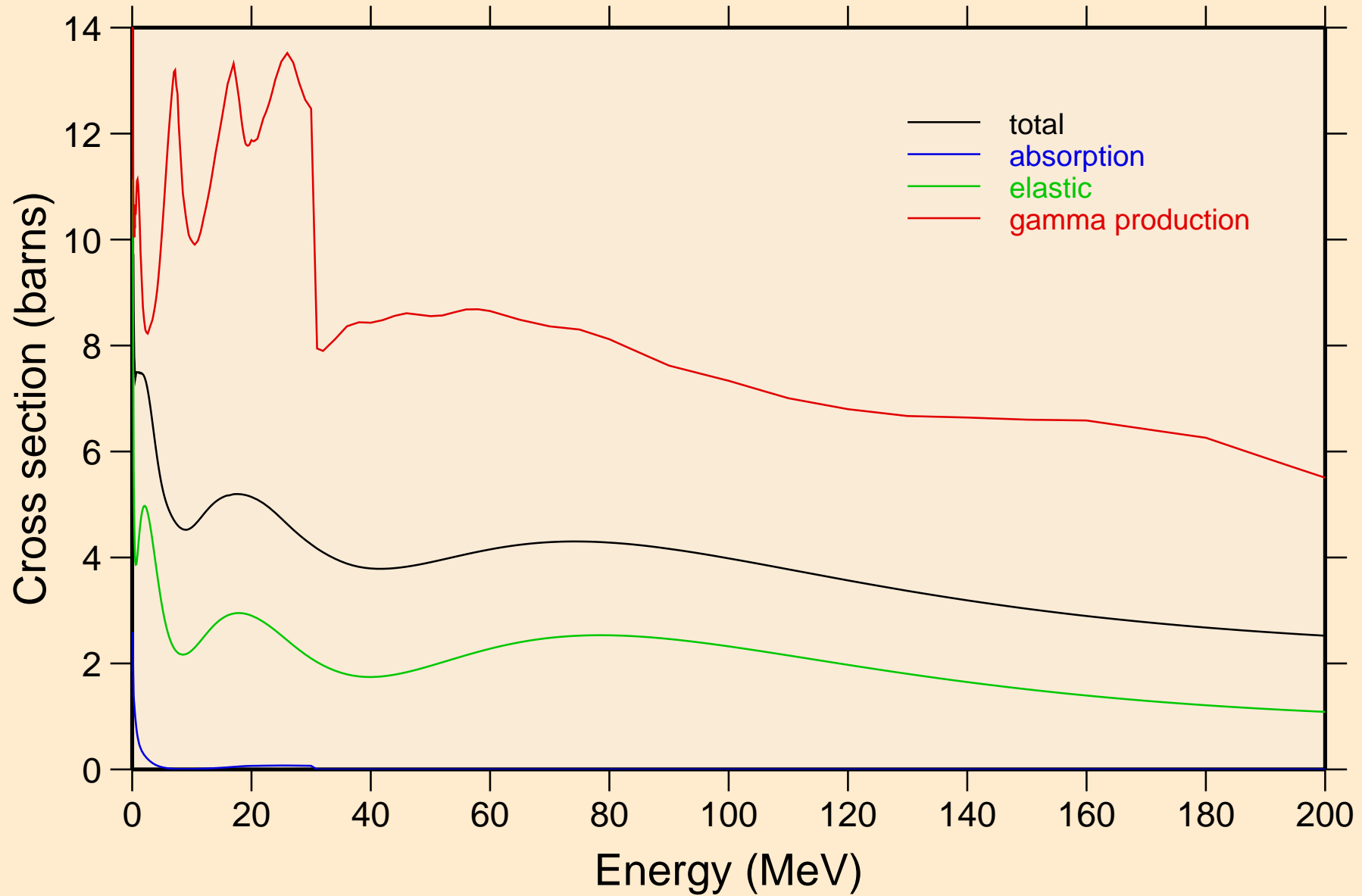
# ER163 NRG TENDL-2015, AKONING

## Non-threshold reactions



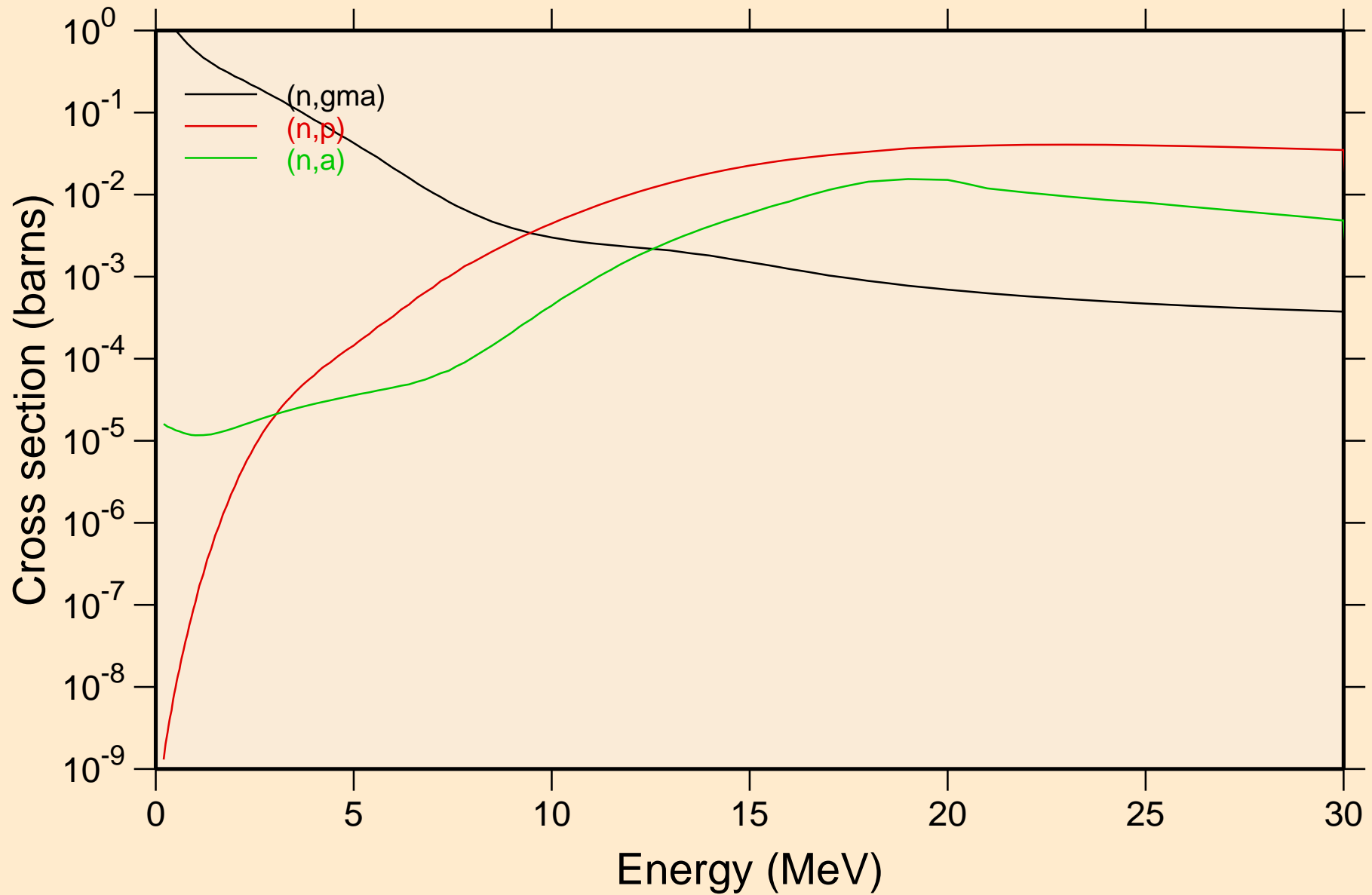
# ER163 NRG TENDL-2015, AKONING

## Principal cross sections



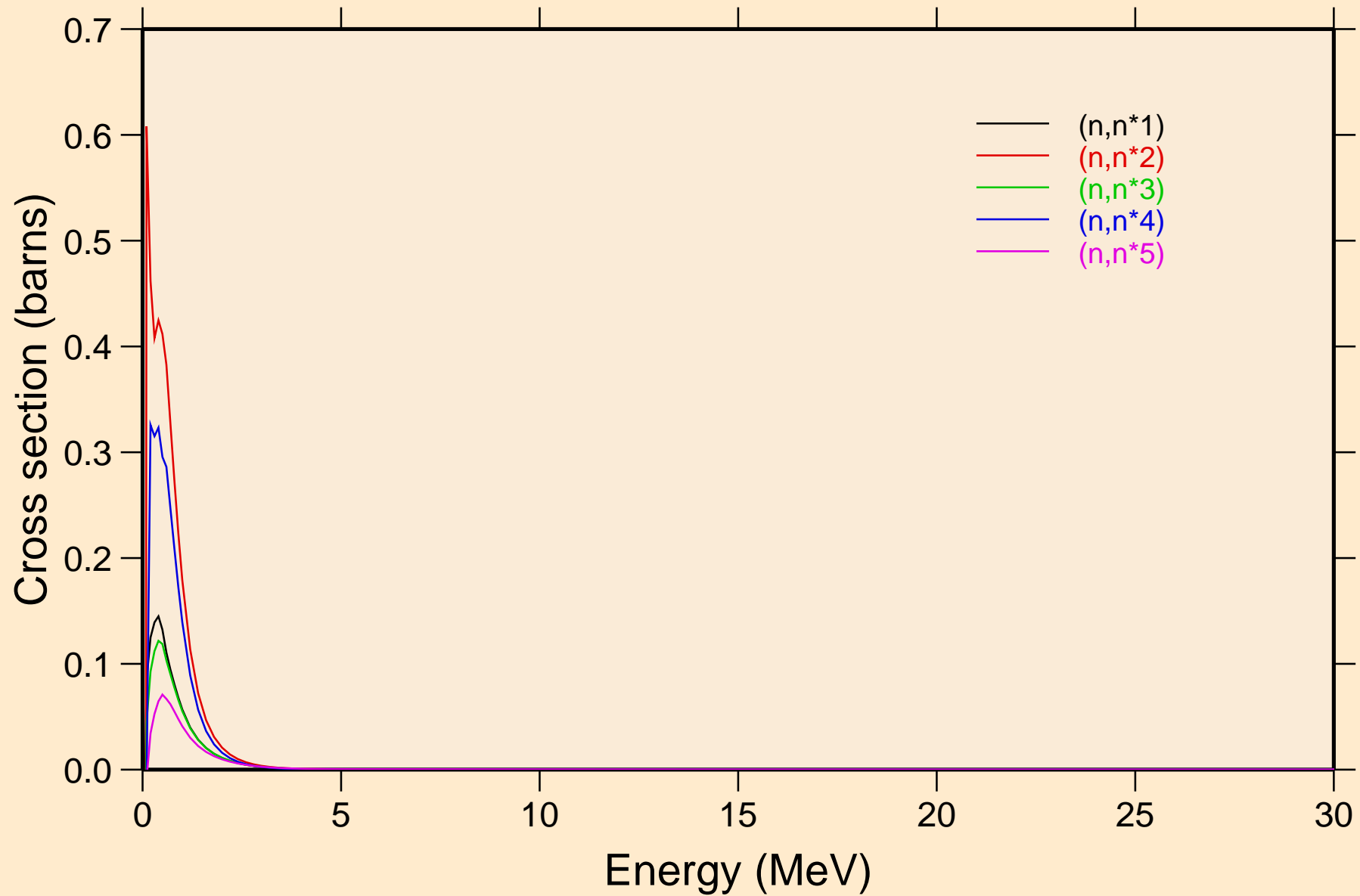
# ER163 NRG TENDL-2015, AKONING

## Non-threshold reactions



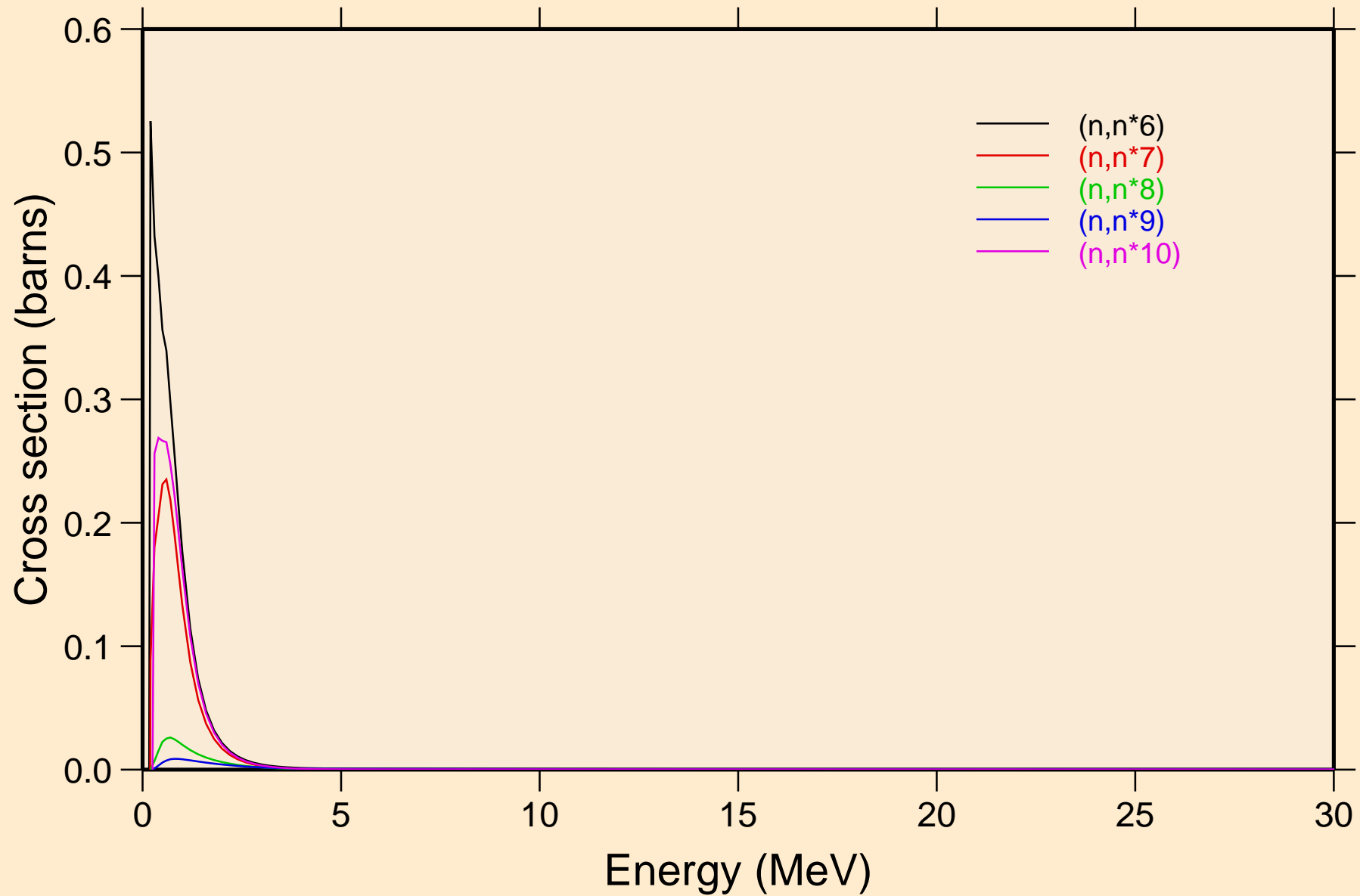
# ER163 NRG TENDL-2015, AKONING

## Inelastic levels



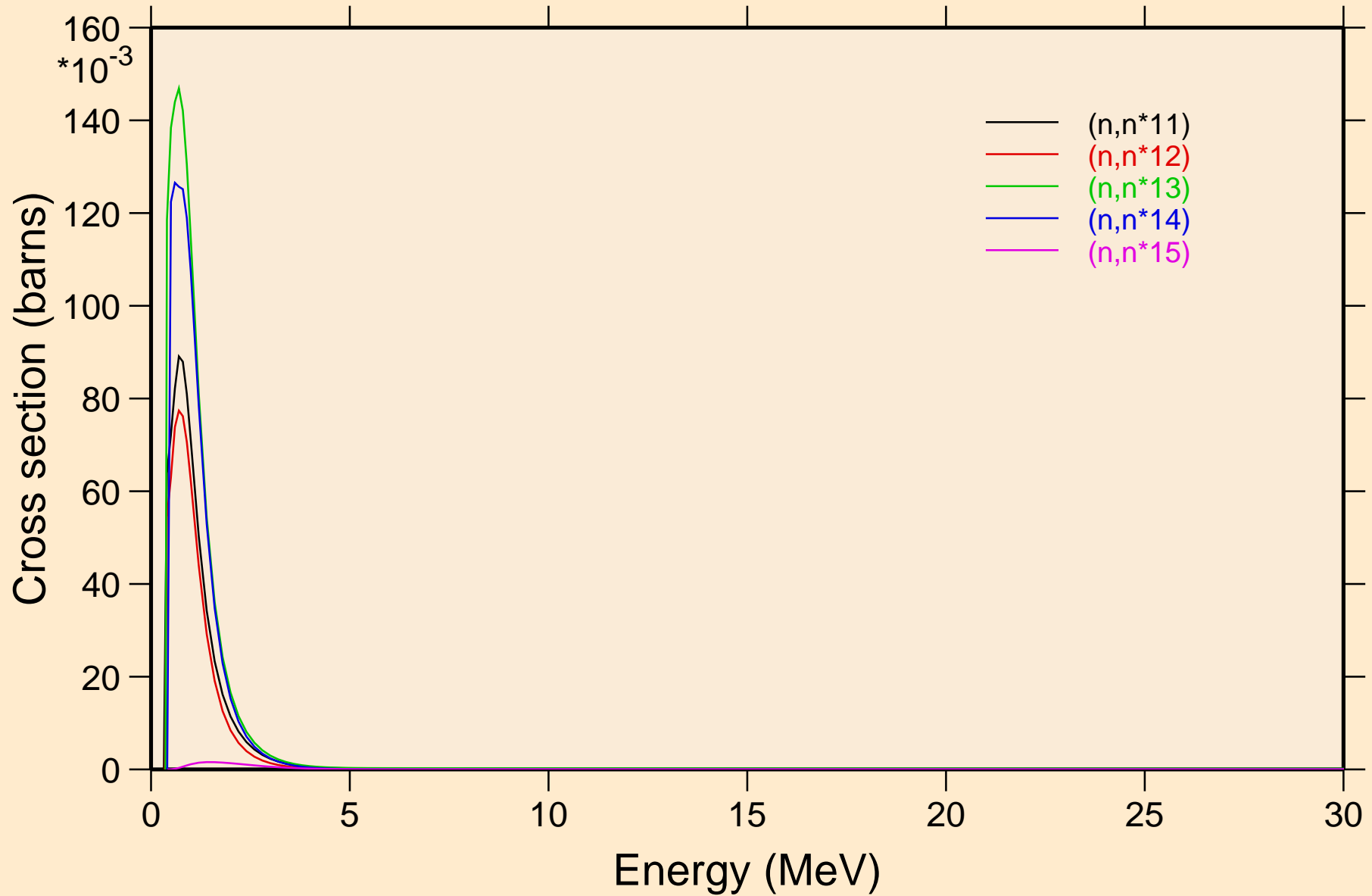
# ER163 NRG TENDL-2015, AKONING

## Inelastic levels



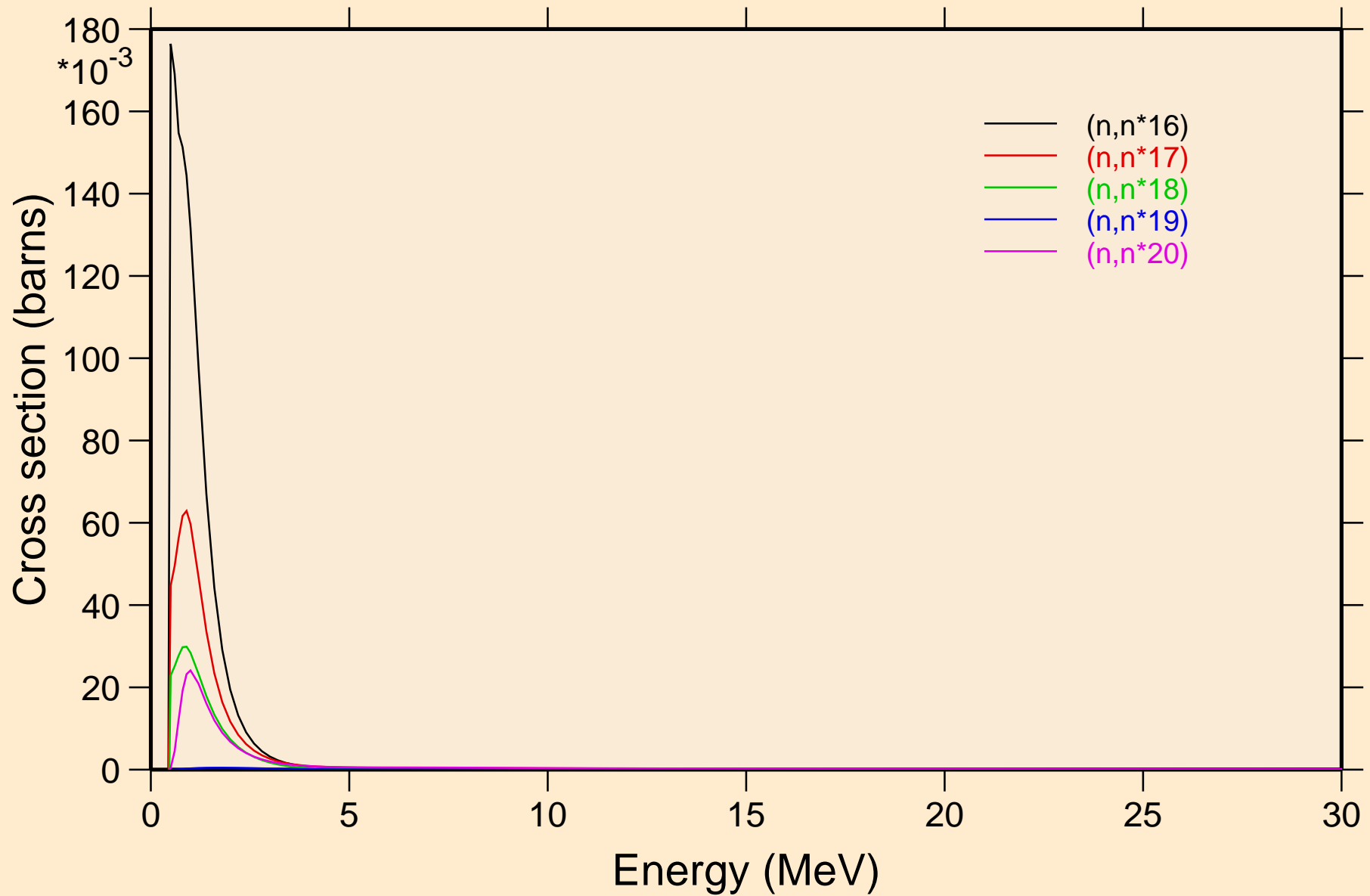
# ER163 NRG TENDL-2015, AKONING

## Inelastic levels



# ER163 NRG TENDL-2015, AKONING

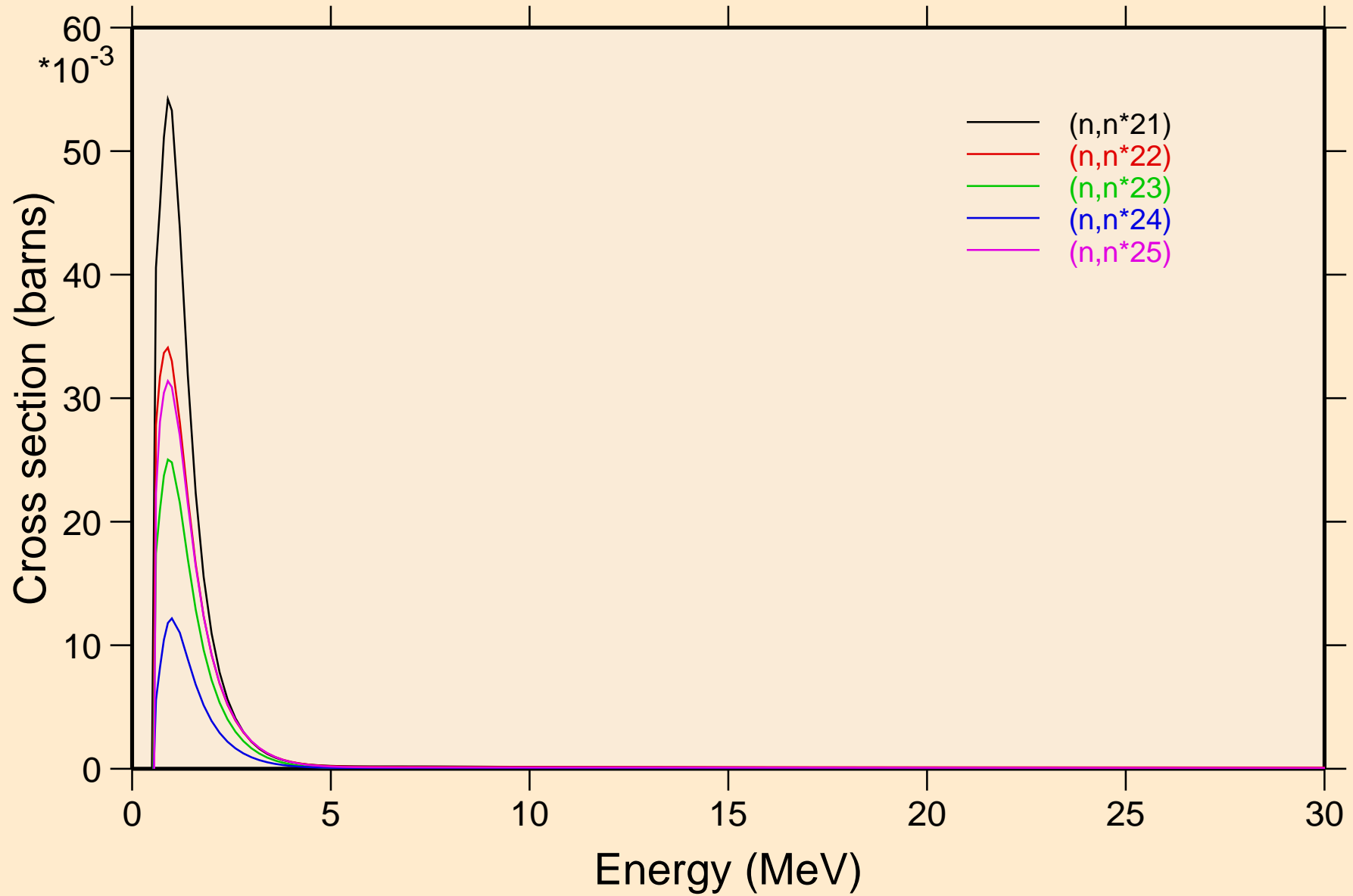
## Inelastic levels





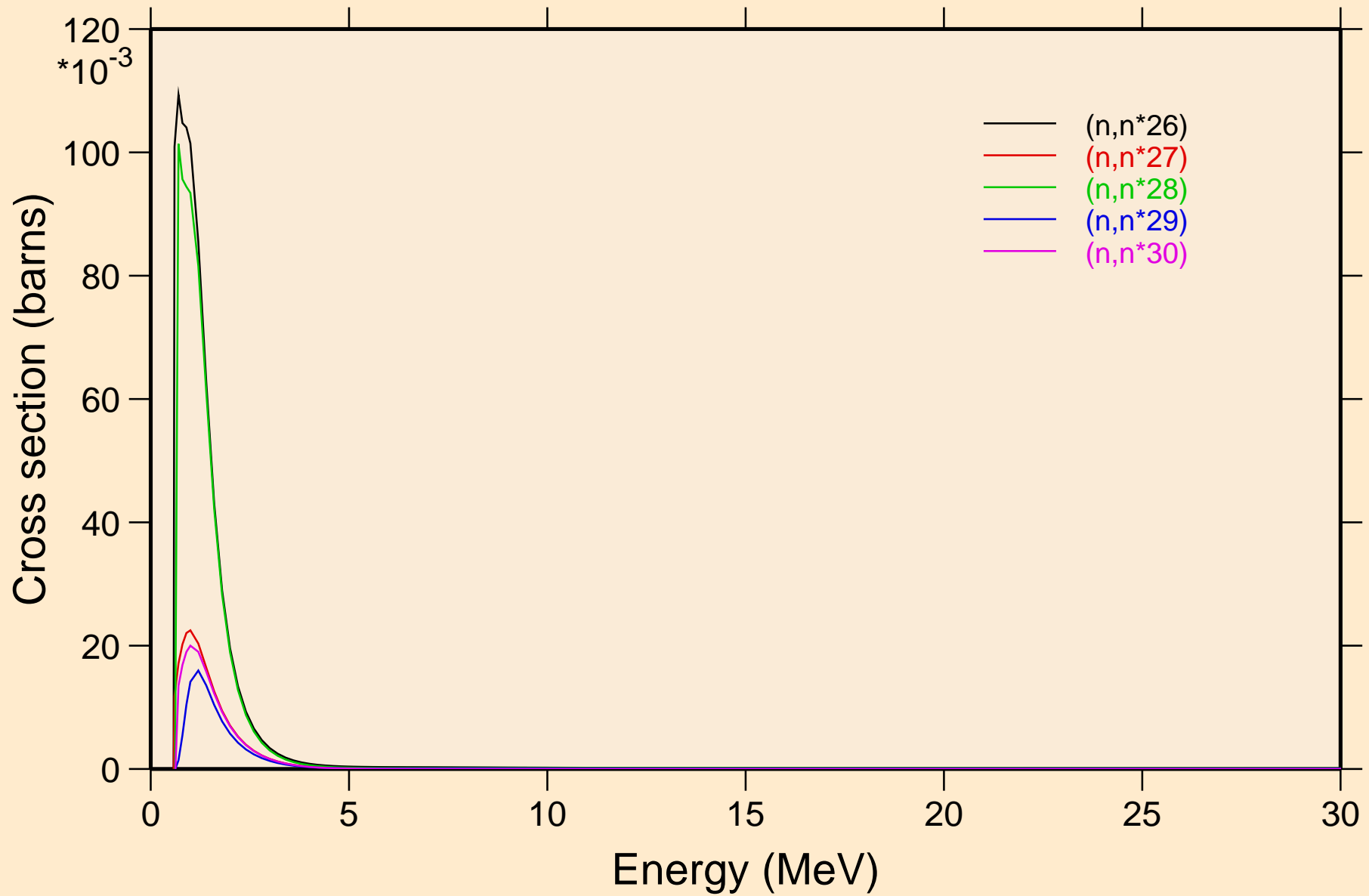
# ER163 NRG TENDL-2015, AKONING

## Inelastic levels



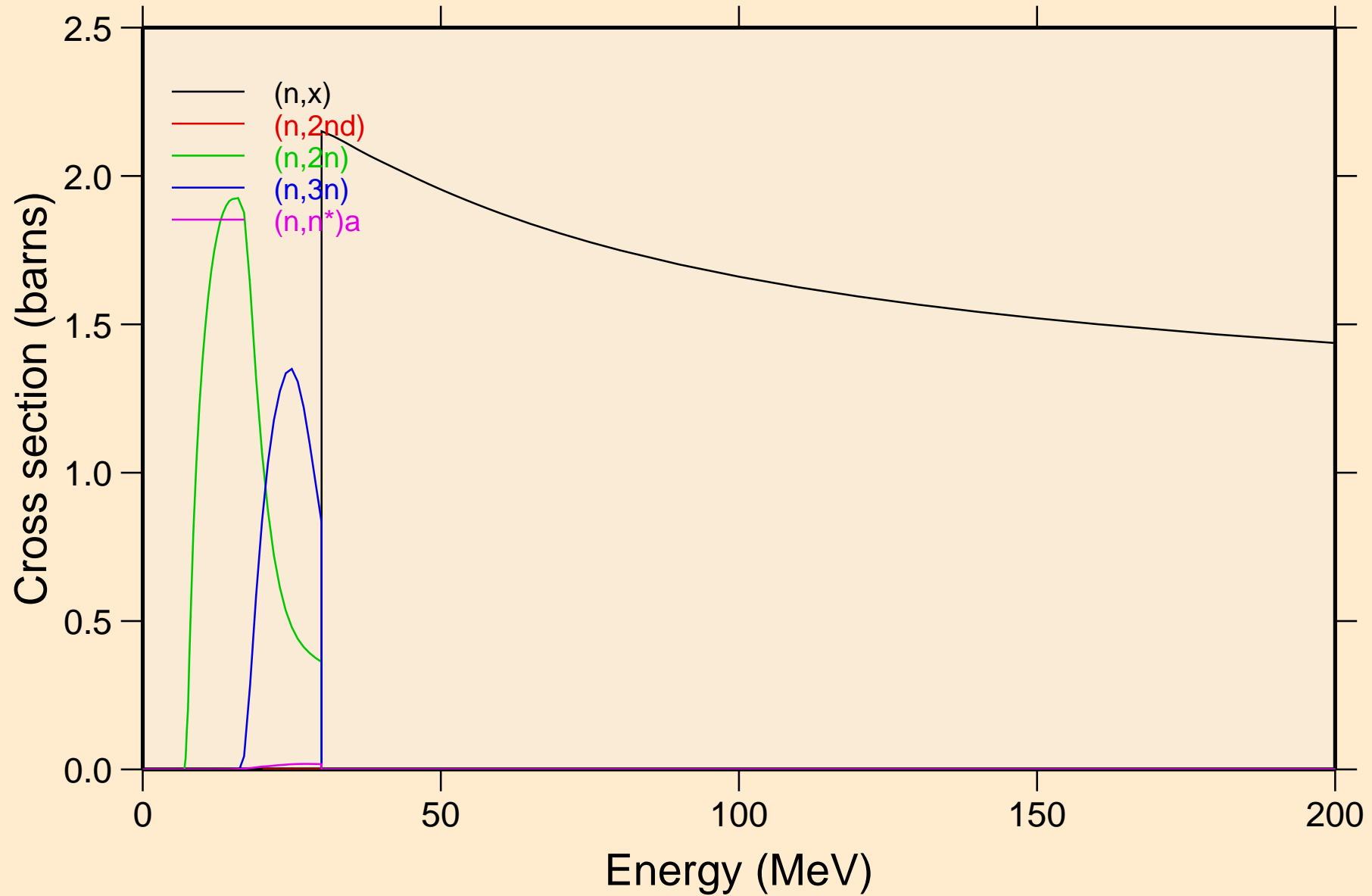
# ER163 NRG TENDL-2015, AKONING

## Inelastic levels



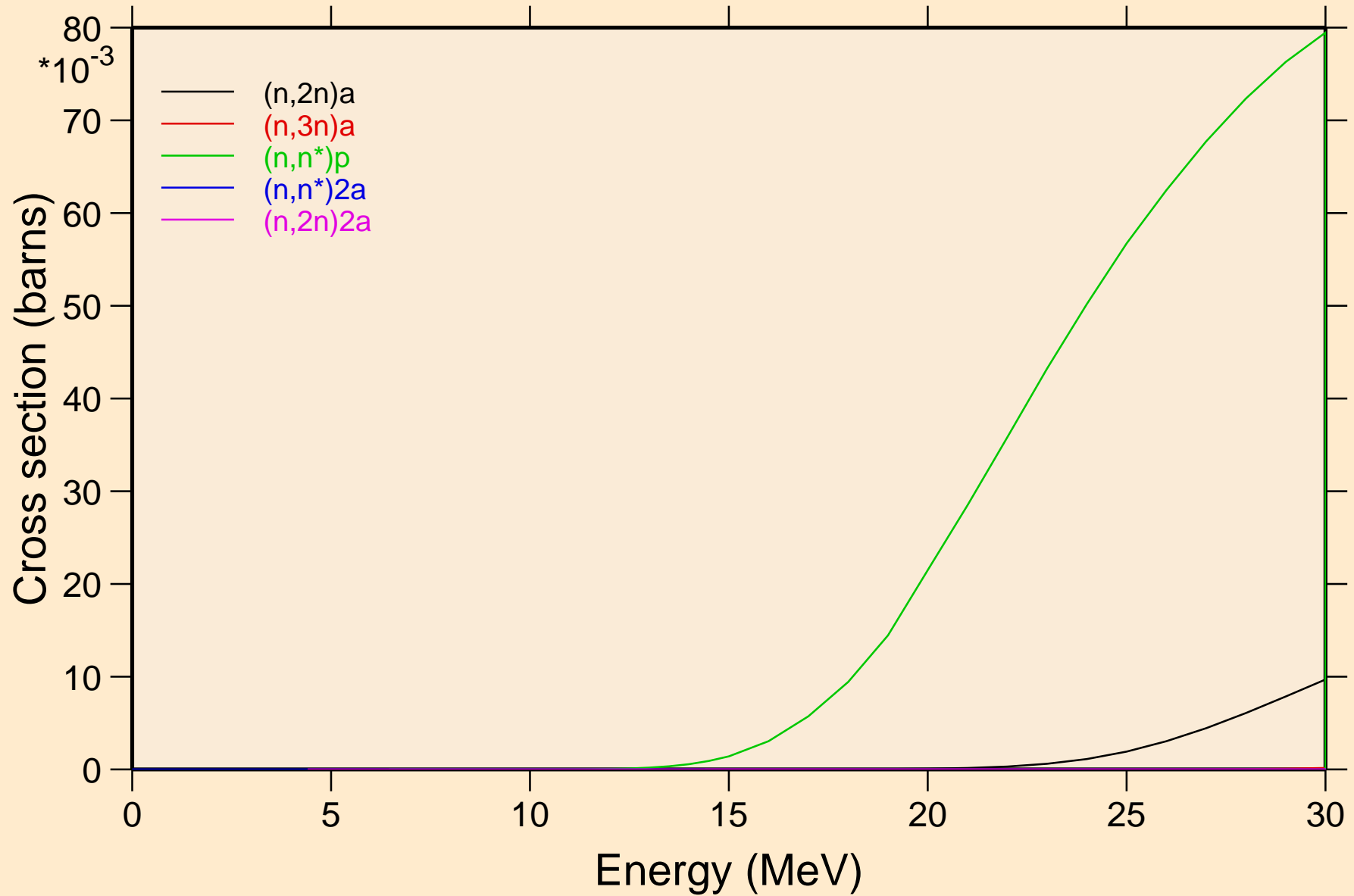
# ER163 NRG TENDL-2015, AKONING

## Threshold reactions



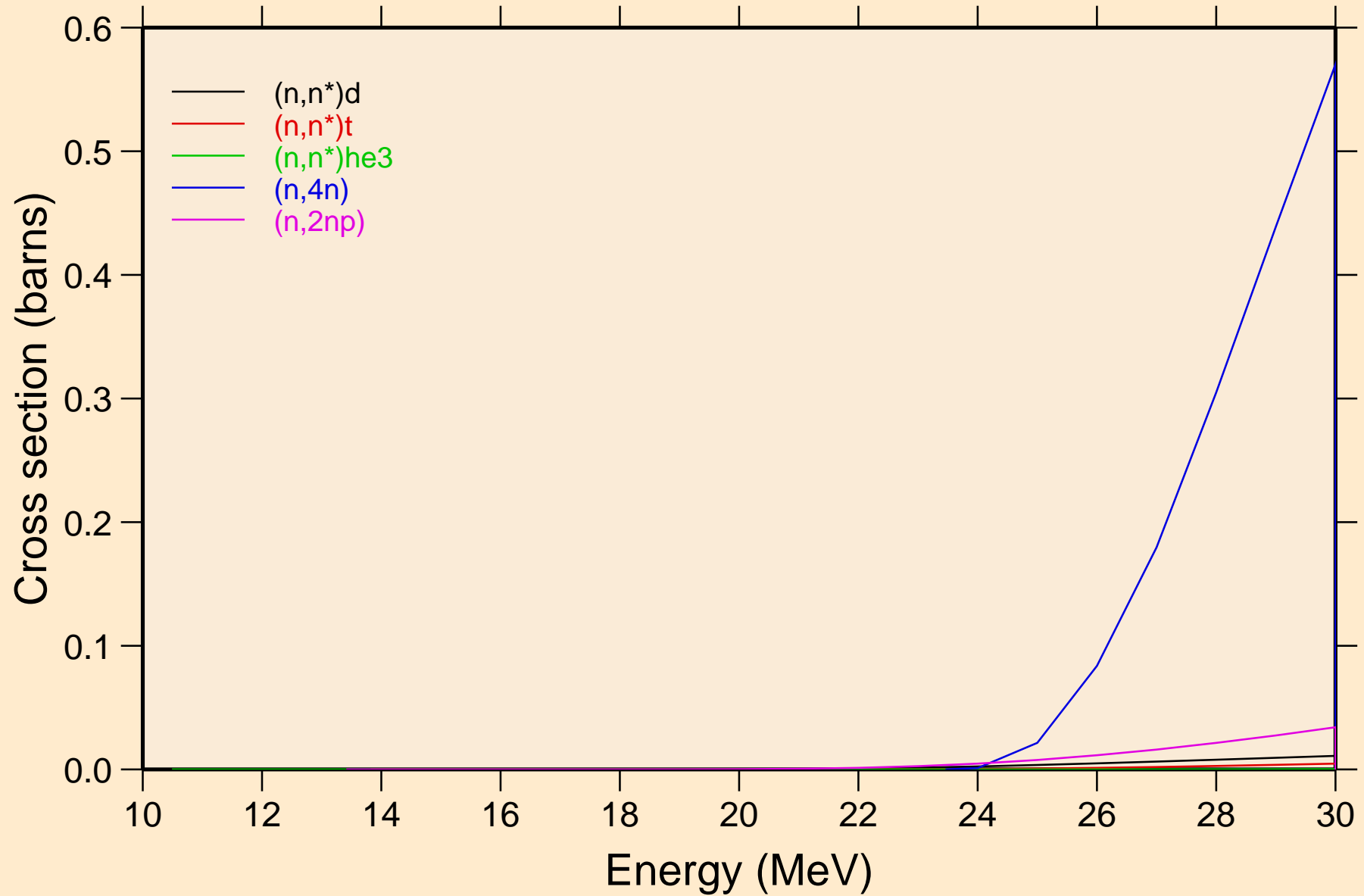
# ER163 NRG TENDL-2015, AKONING

## Threshold reactions



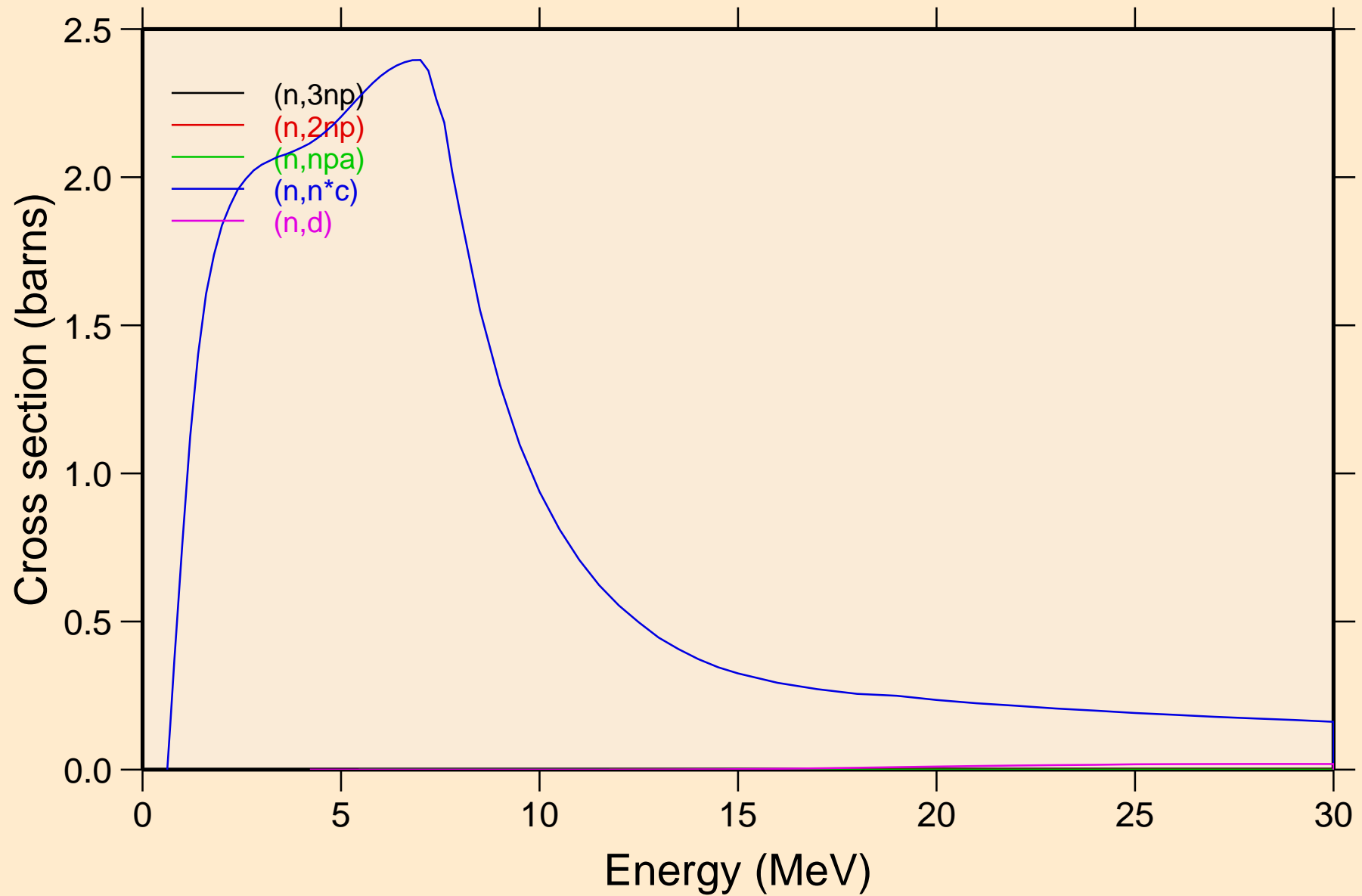
# ER163 NRG TENDL-2015, AKONING

## Threshold reactions



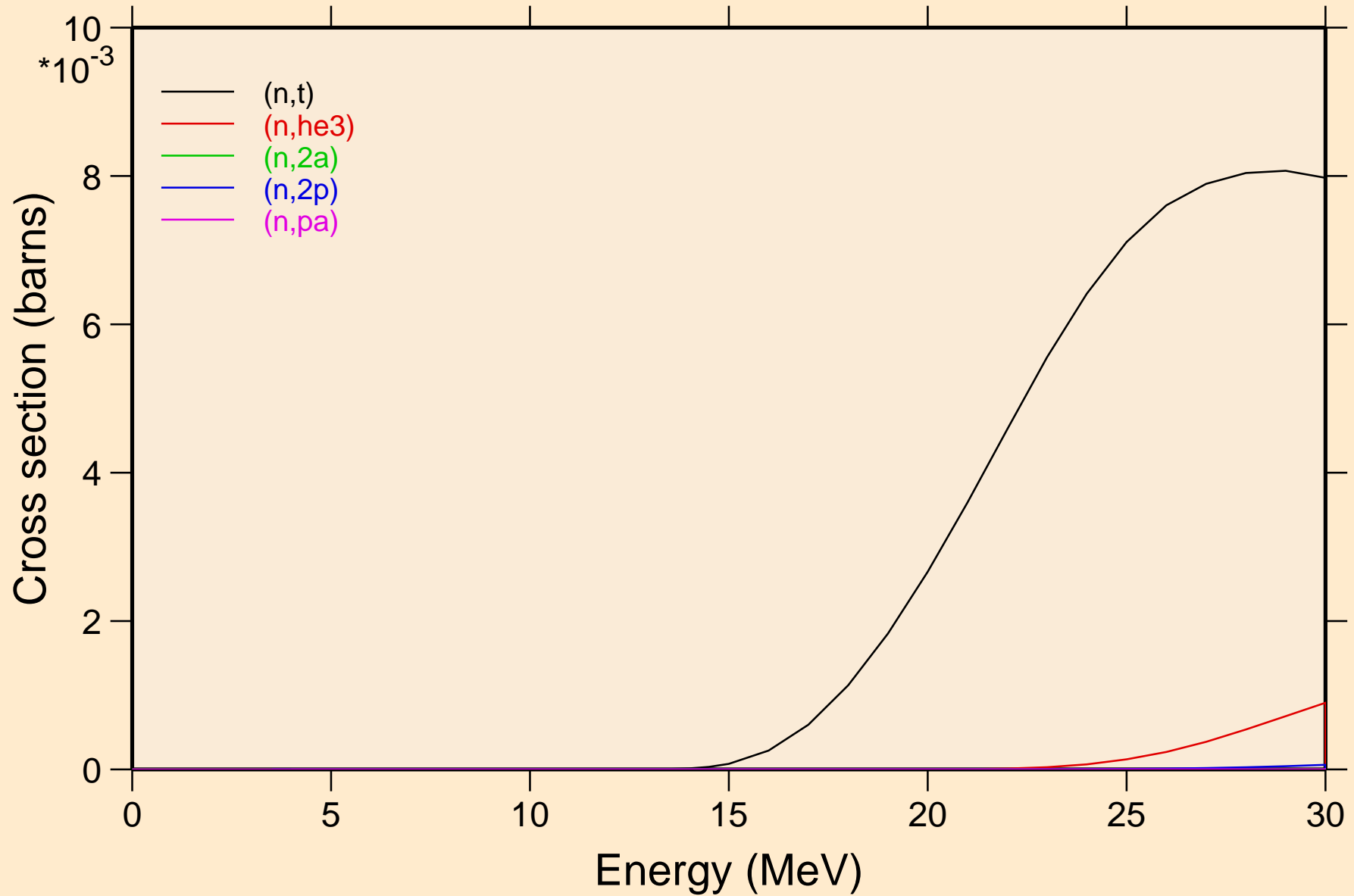
# ER163 NRG TENDL-2015, AKONING

## Threshold reactions



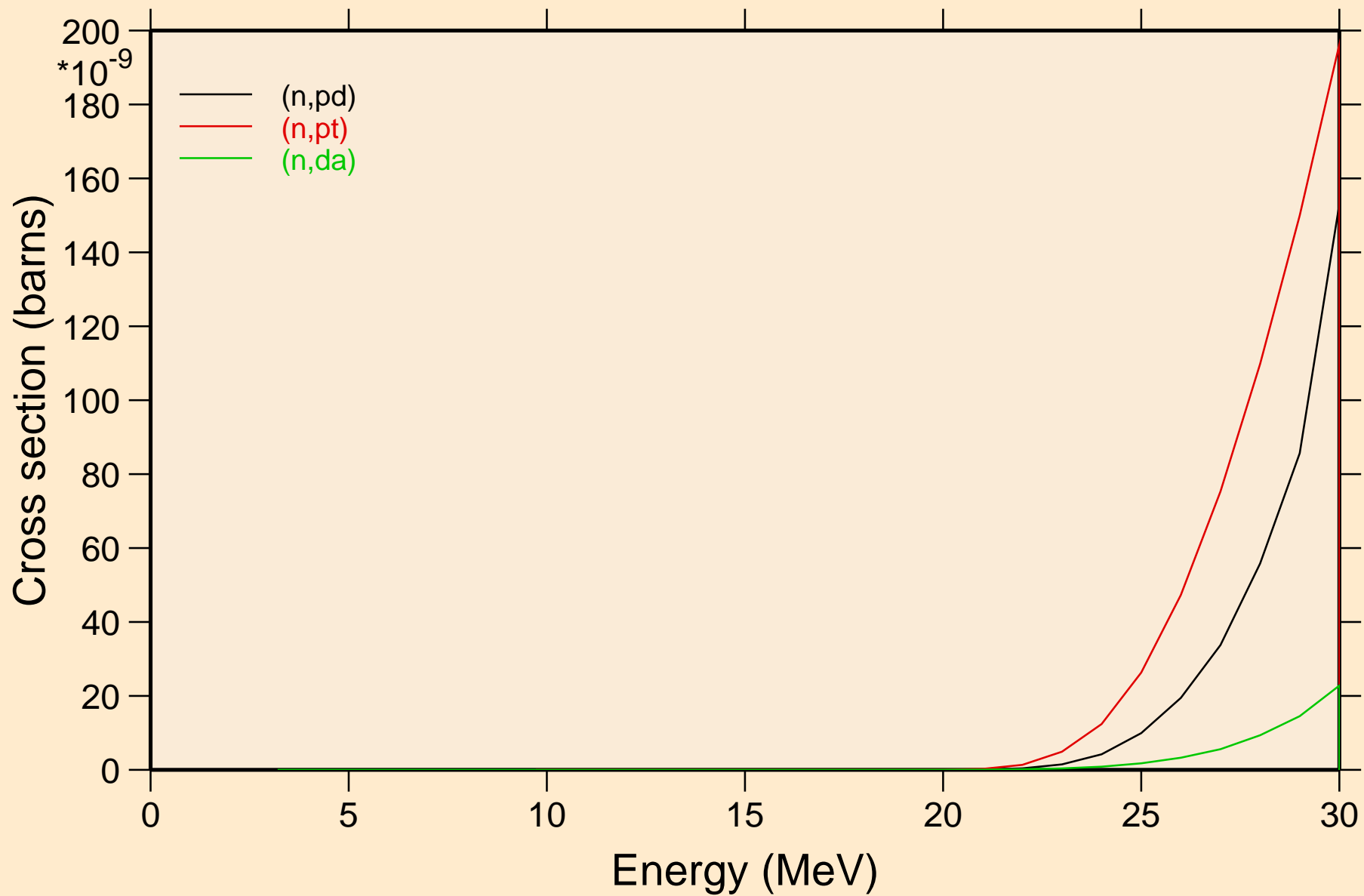
# ER163 NRG TENDL-2015, AKONING

## Threshold reactions



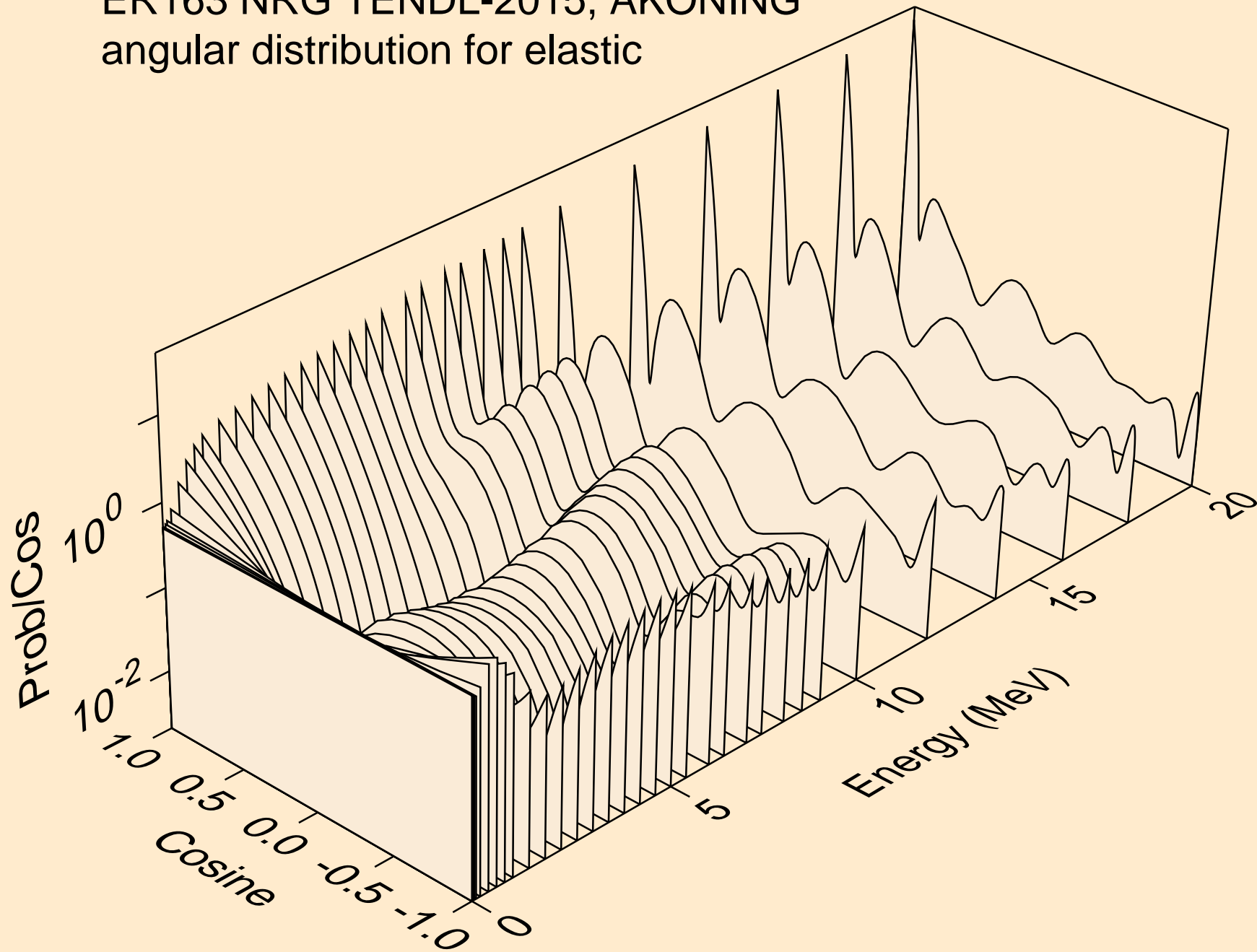
# ER163 NRG TENDL-2015, AKONING

## Threshold reactions

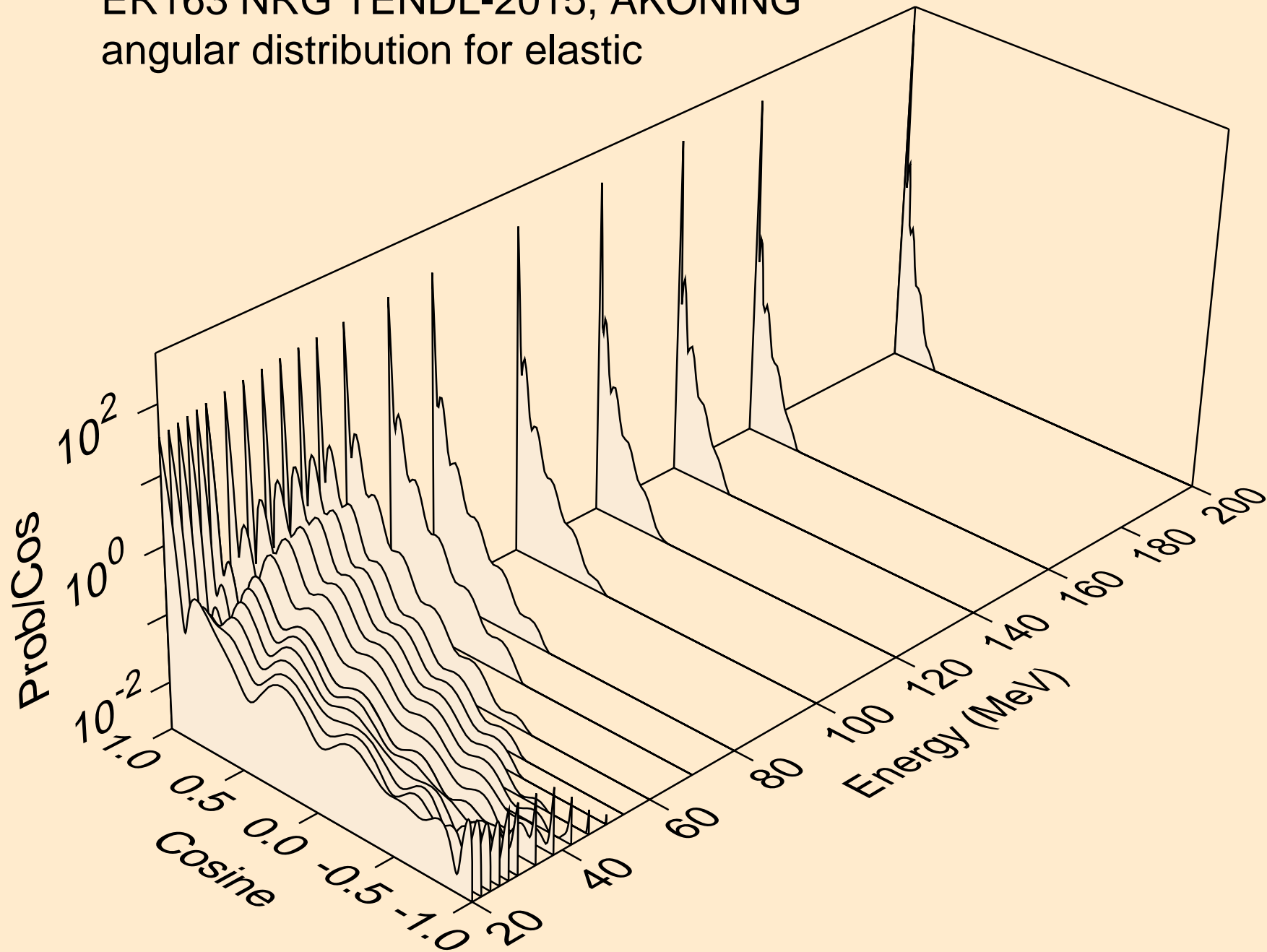




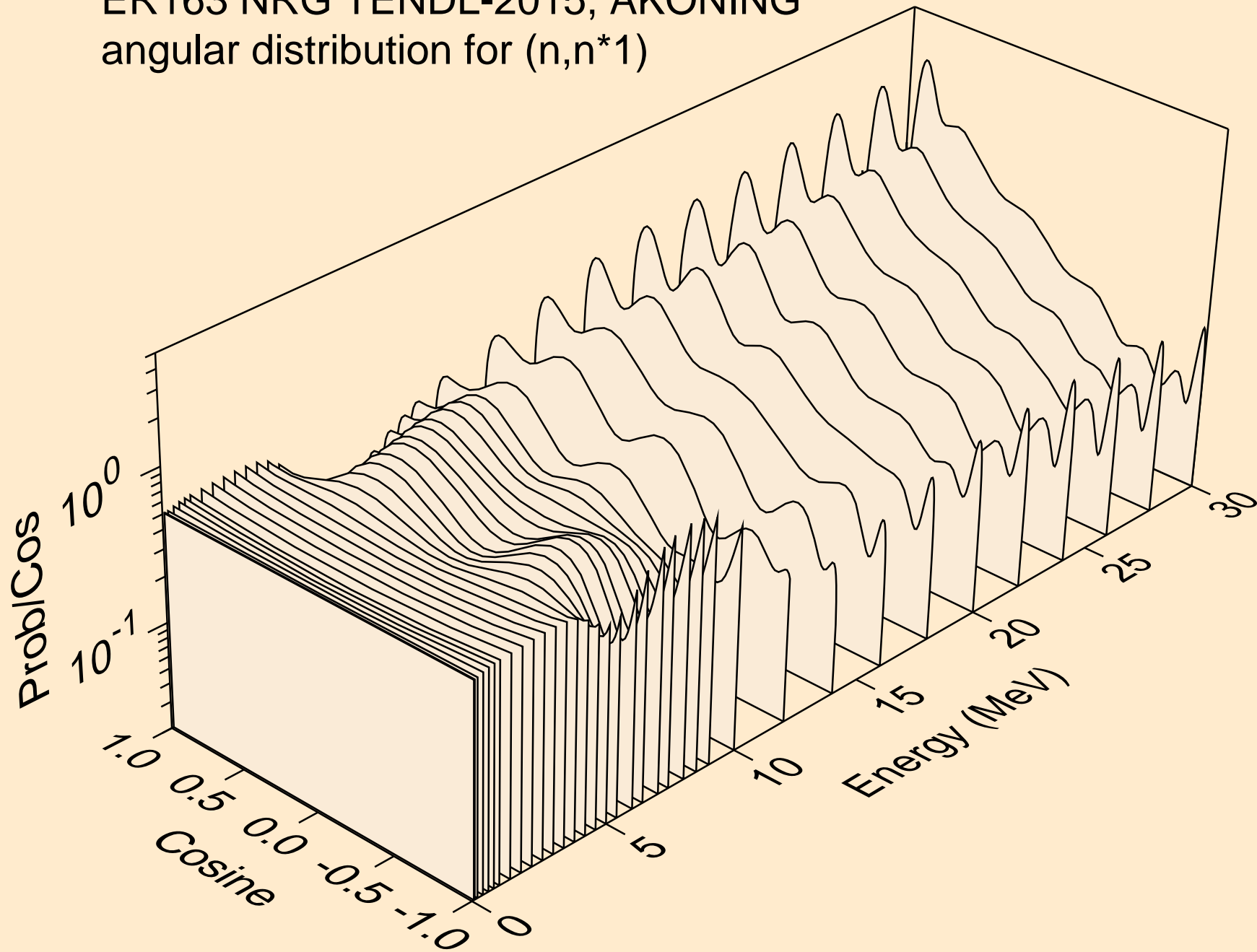
ER163 NRG TENDL-2015, AKONING  
angular distribution for elastic



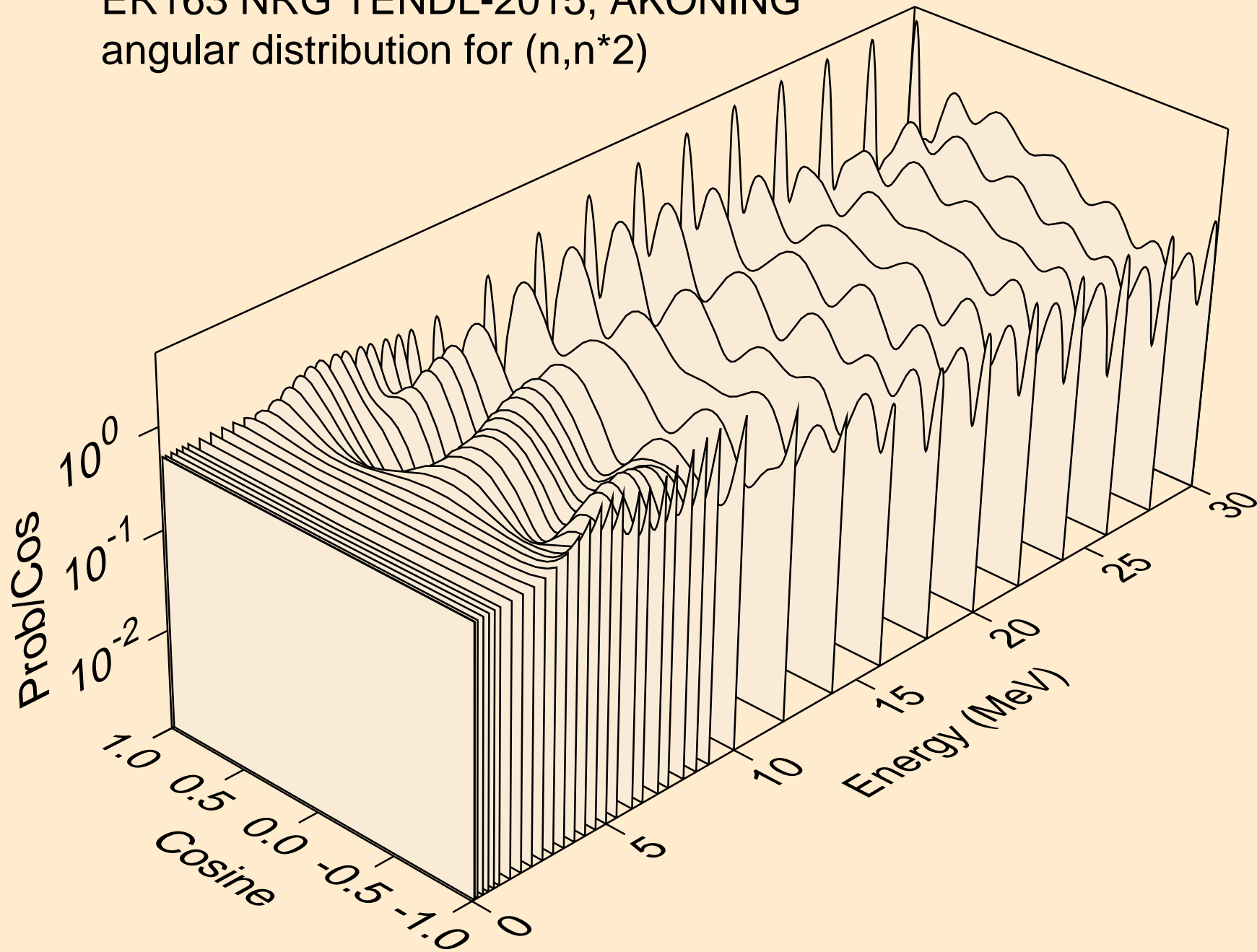
ER163 NRG TENDL-2015, AKONING  
angular distribution for elastic



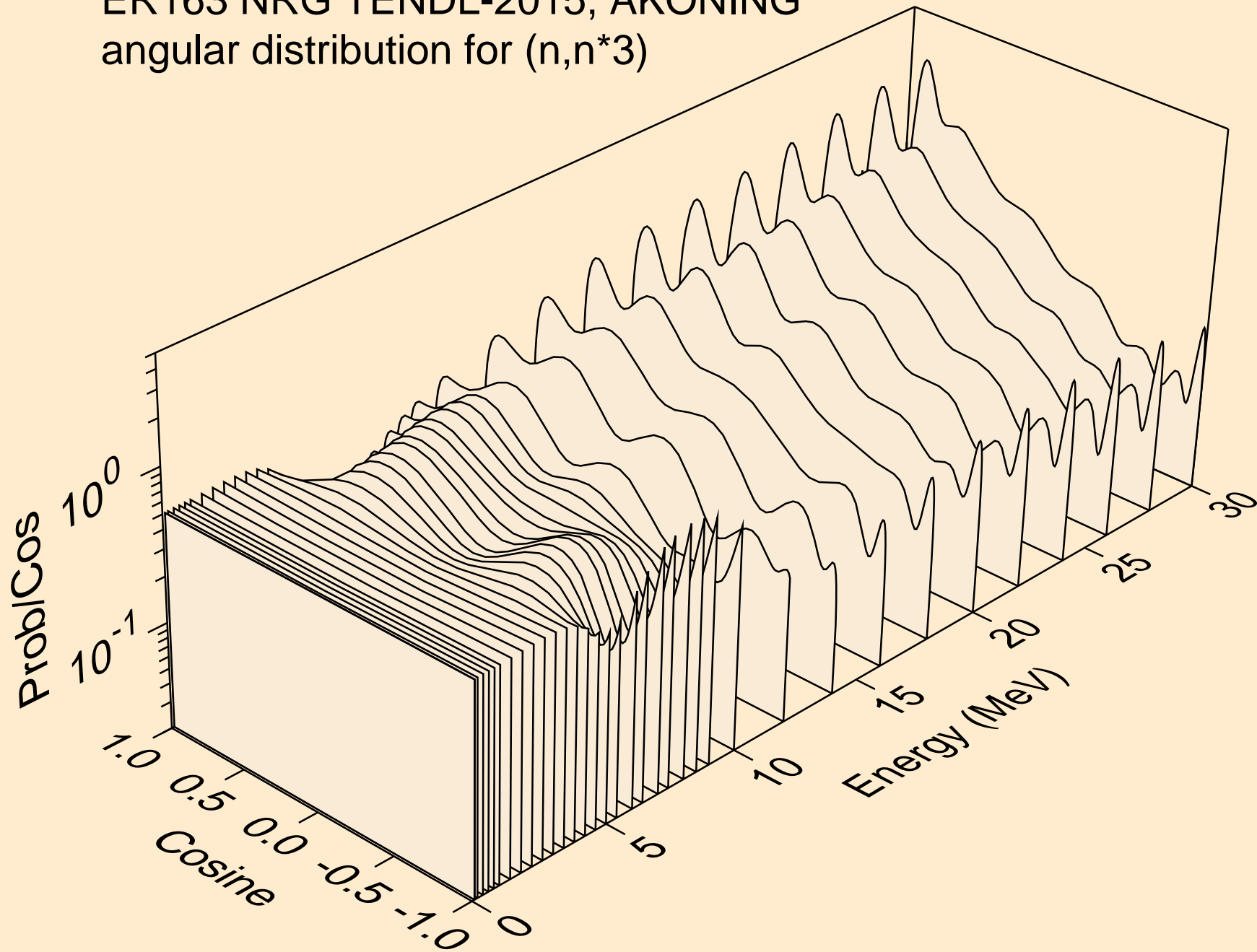
ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



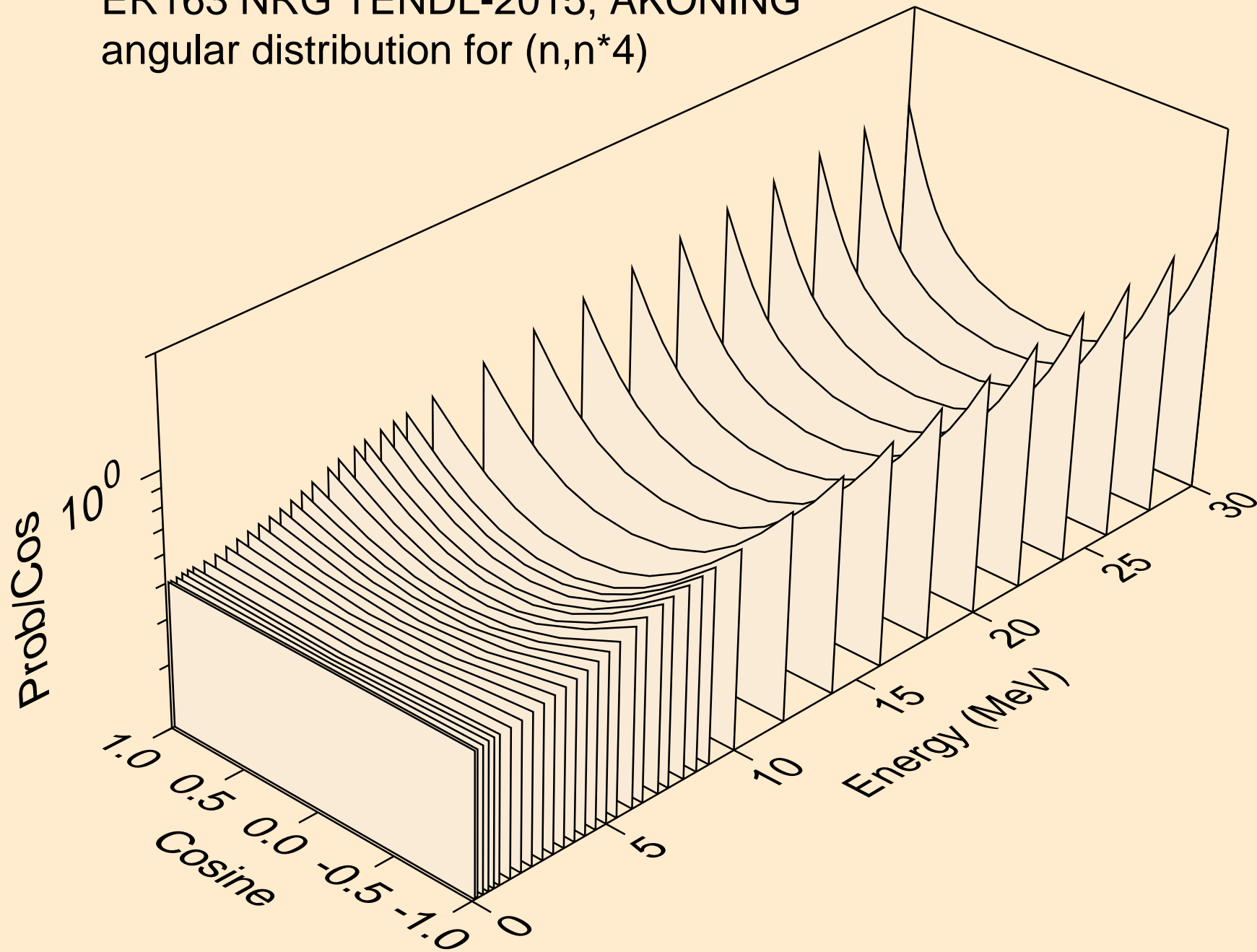
ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



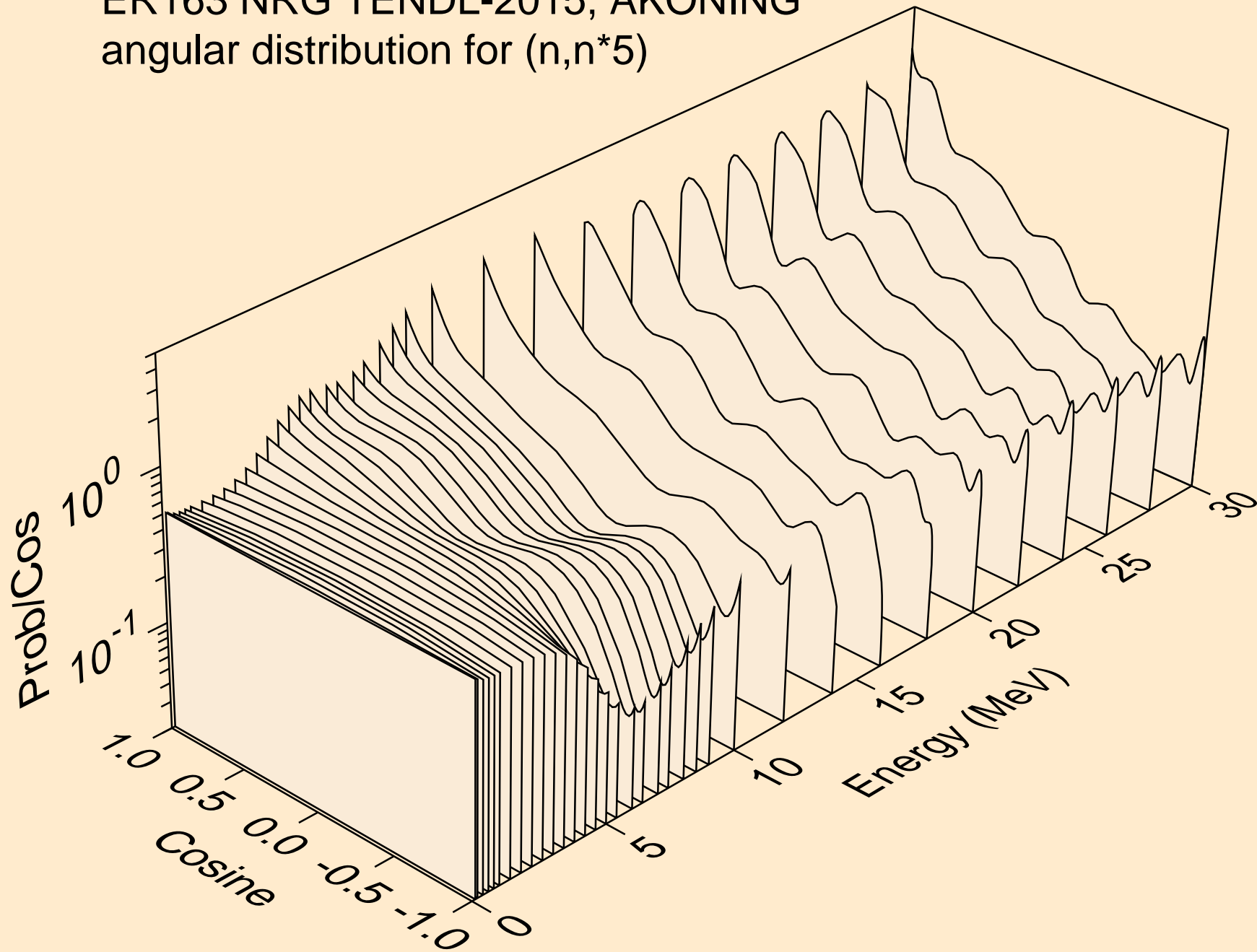
ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



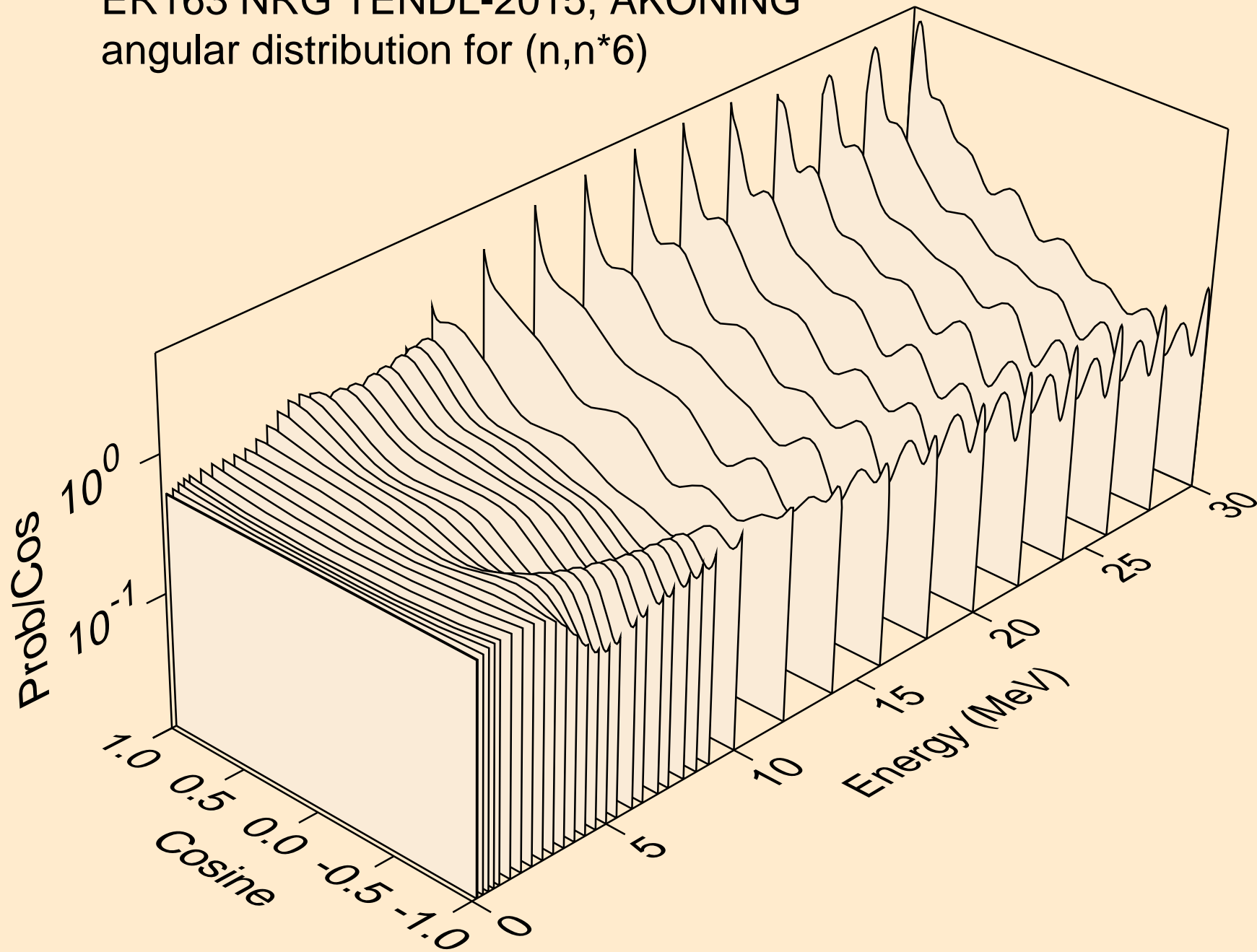
ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)



ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

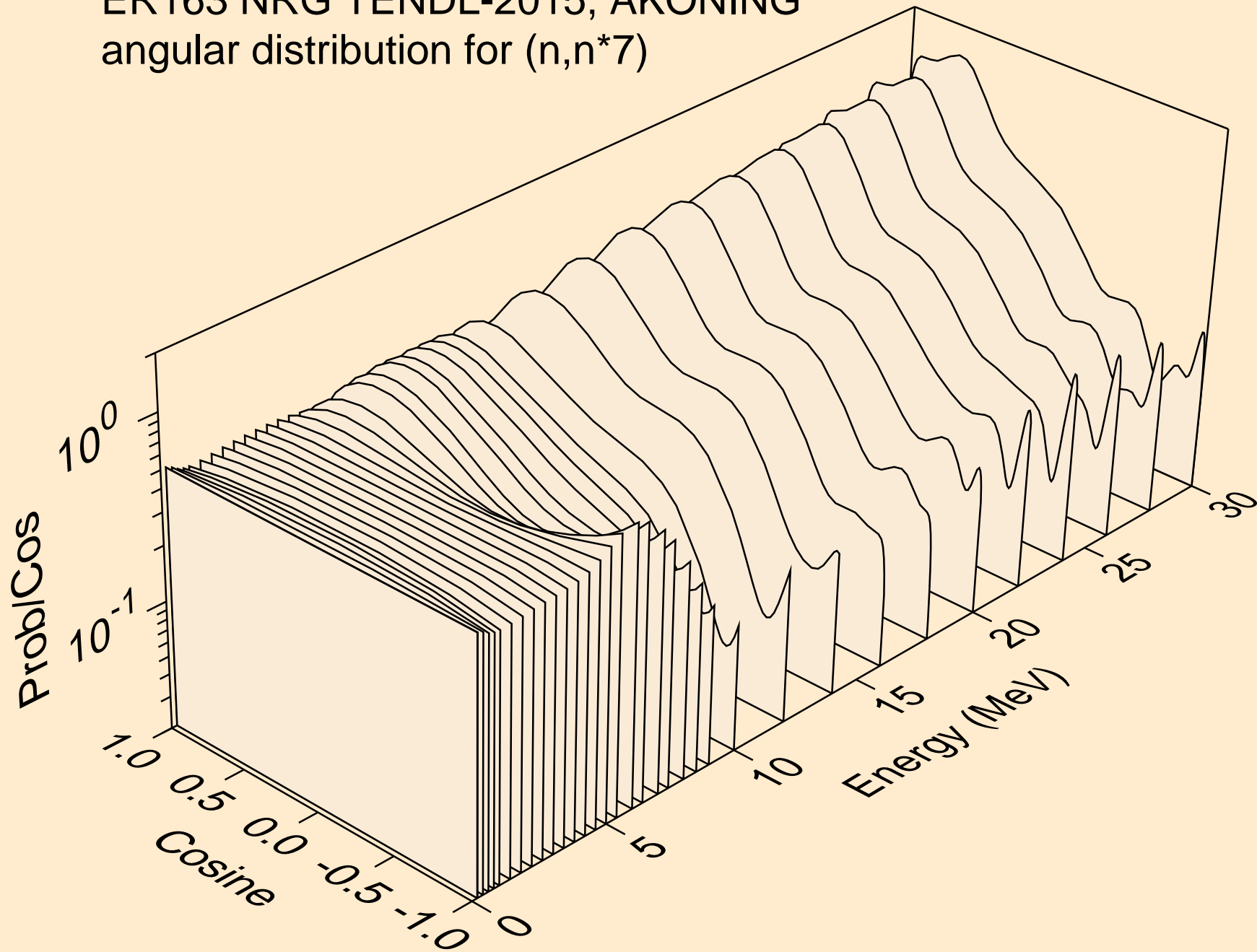


ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)

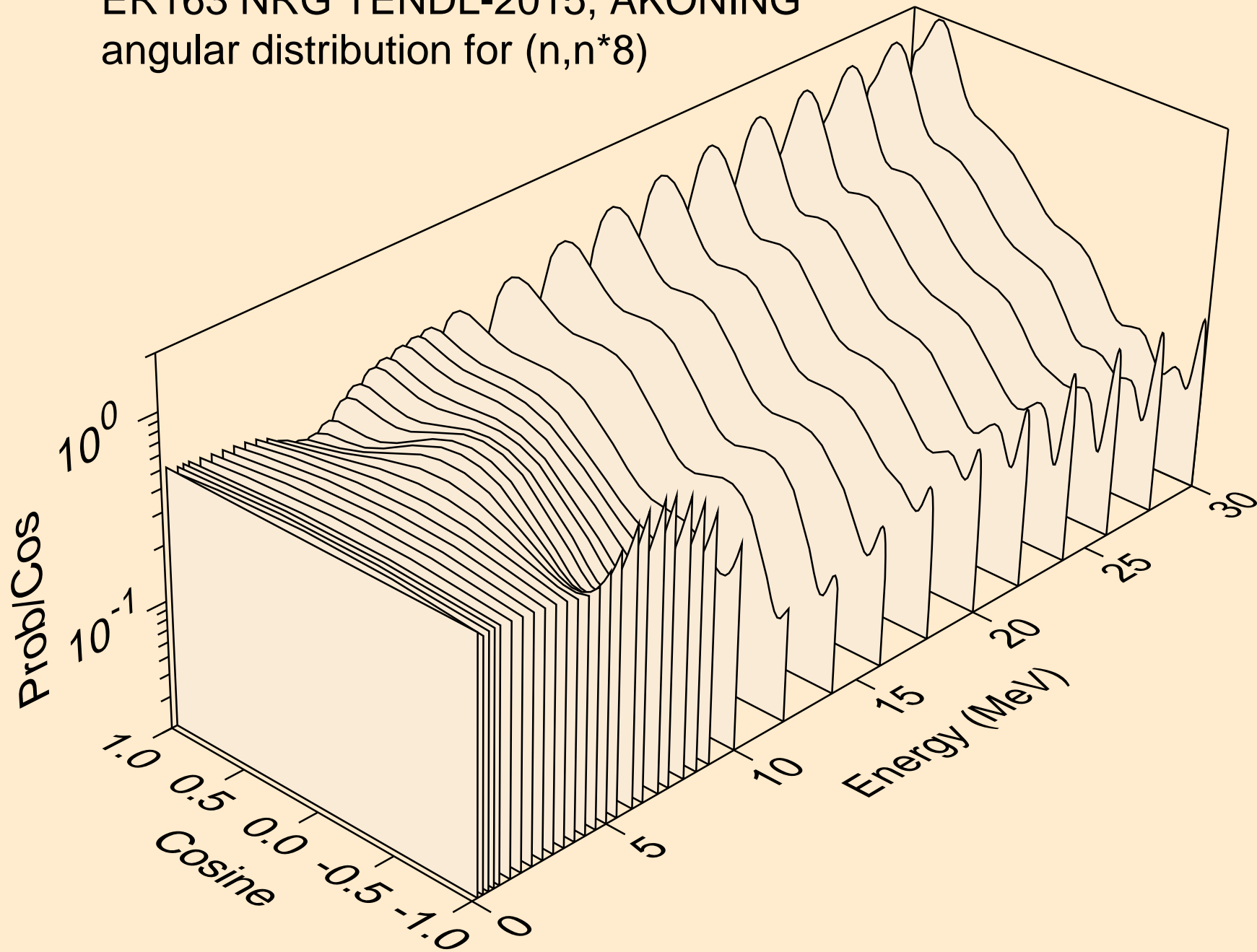




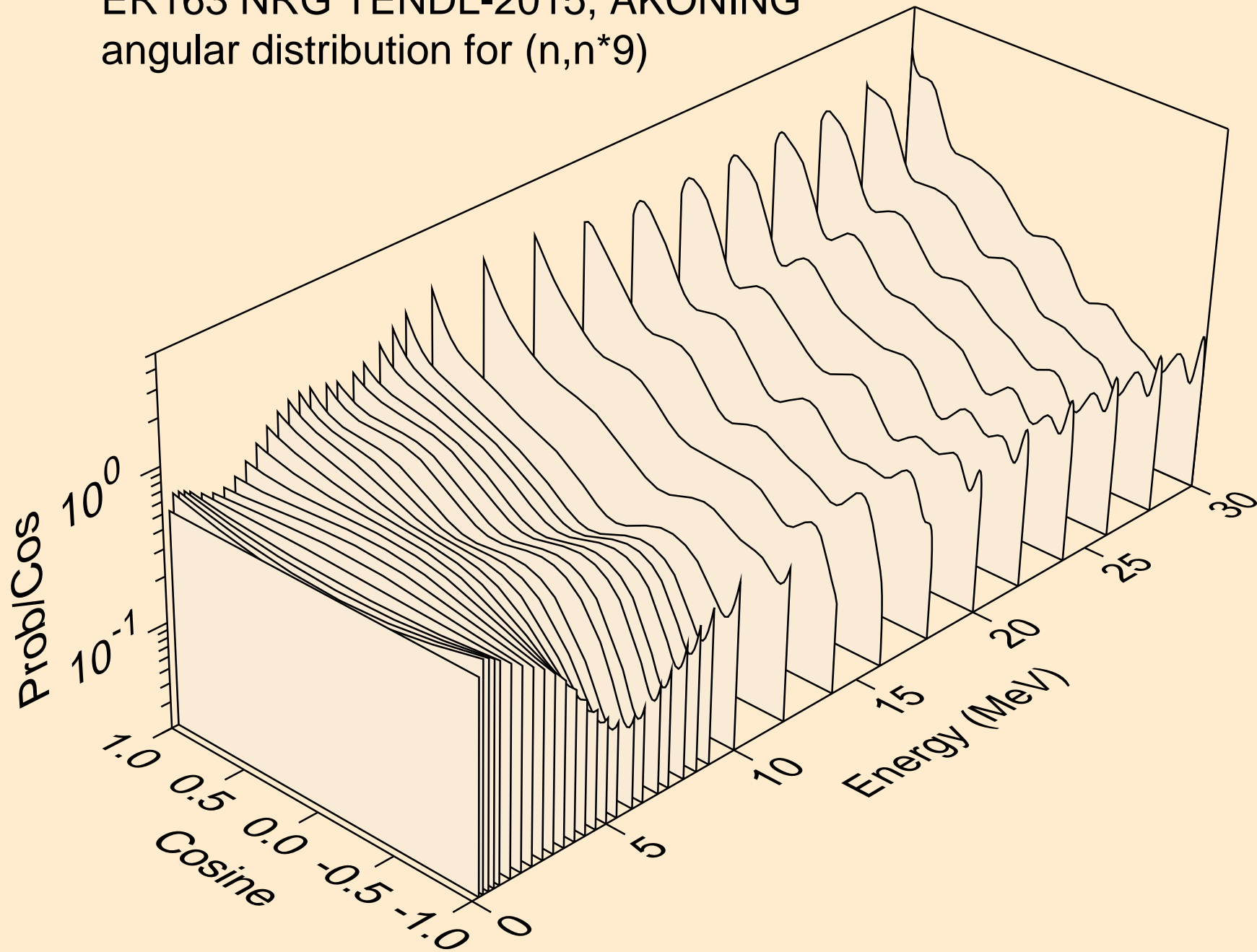
ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



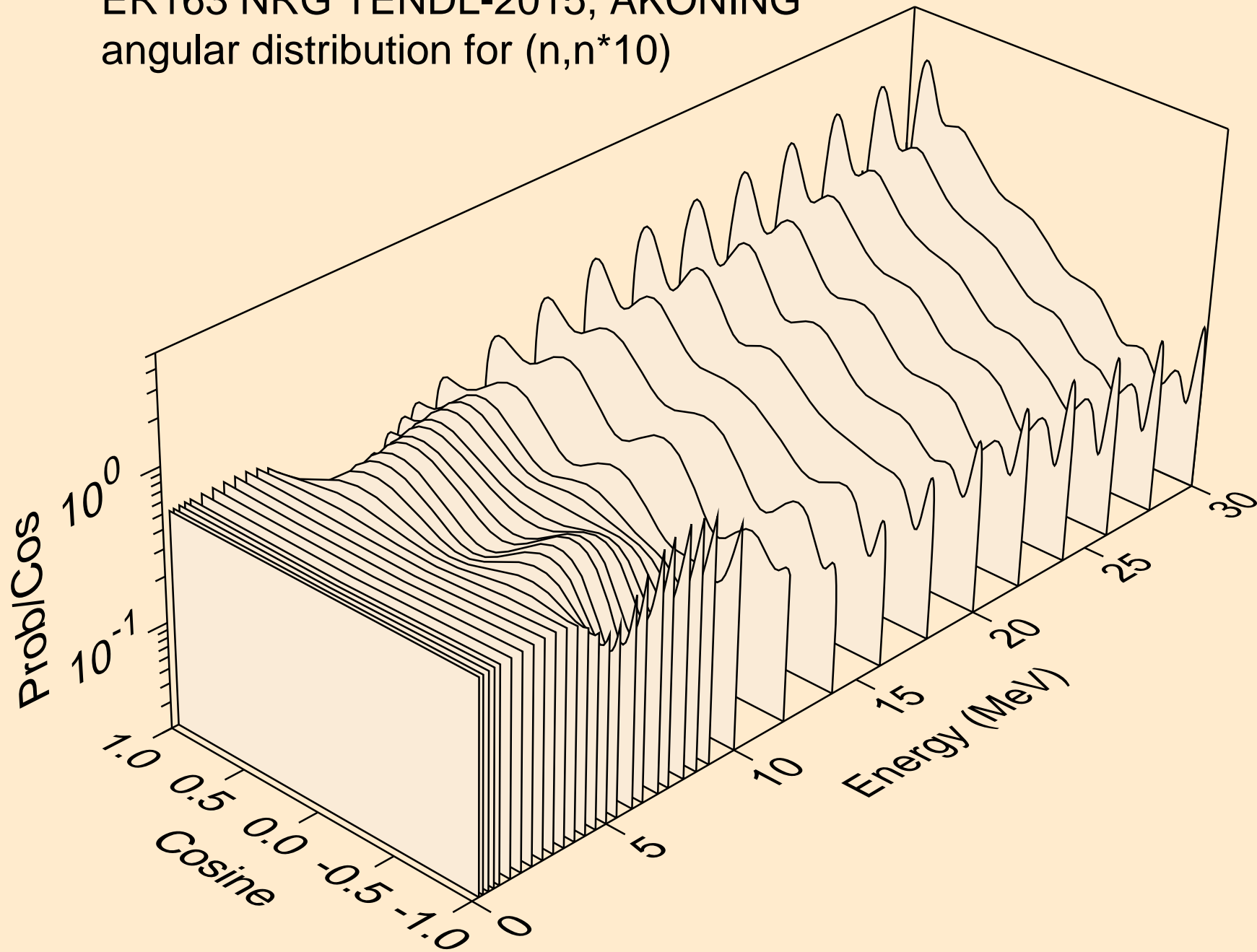
ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



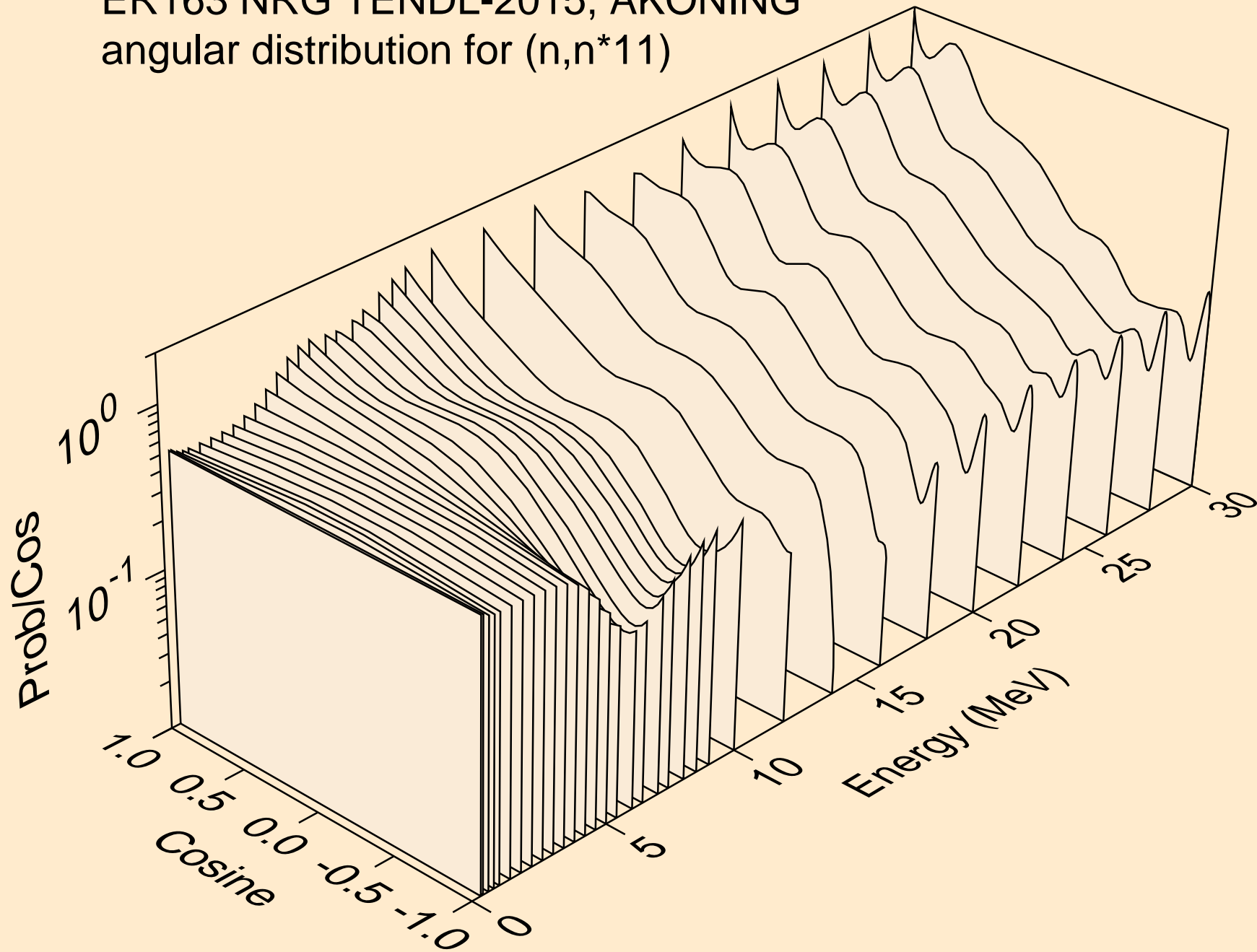
ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



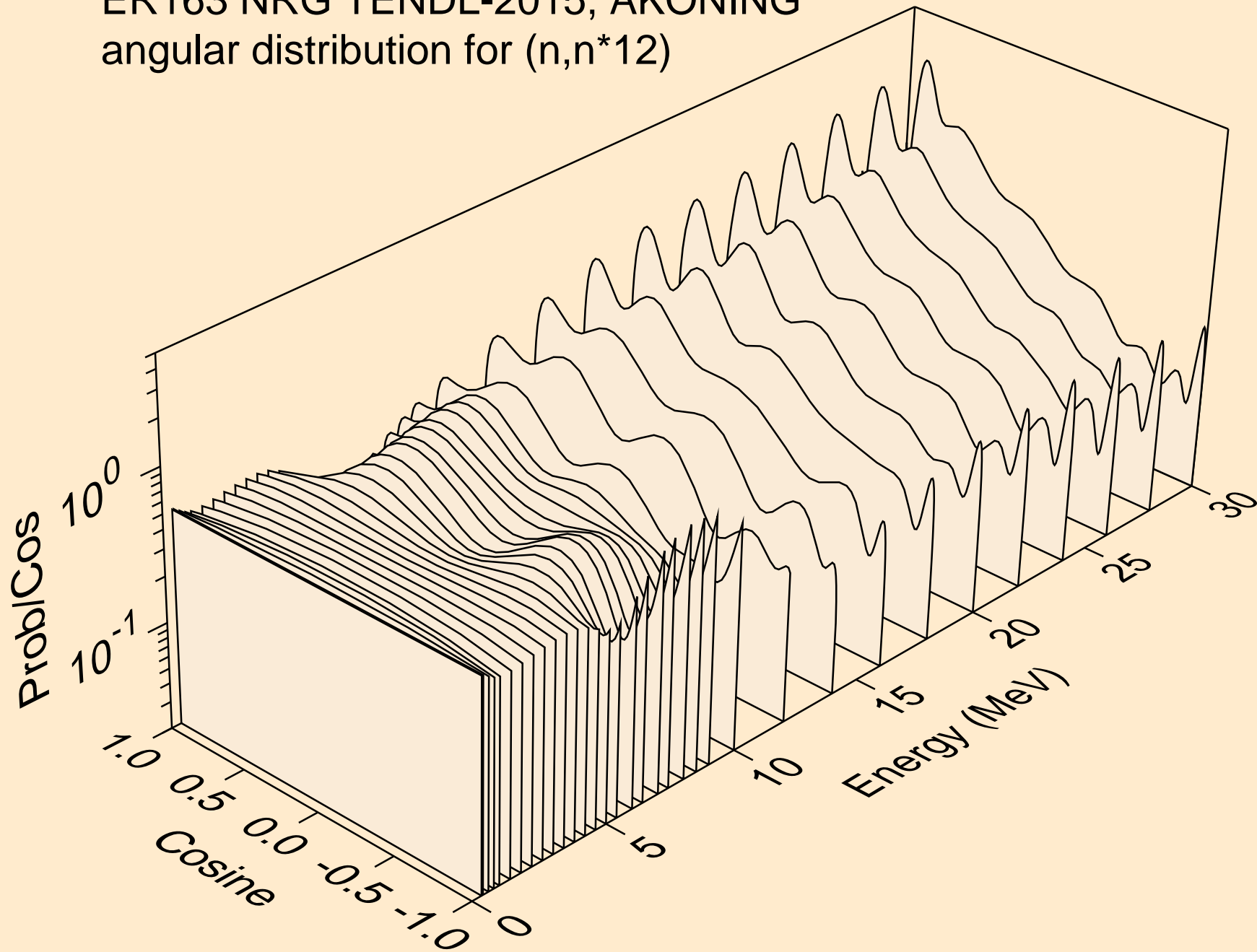
ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



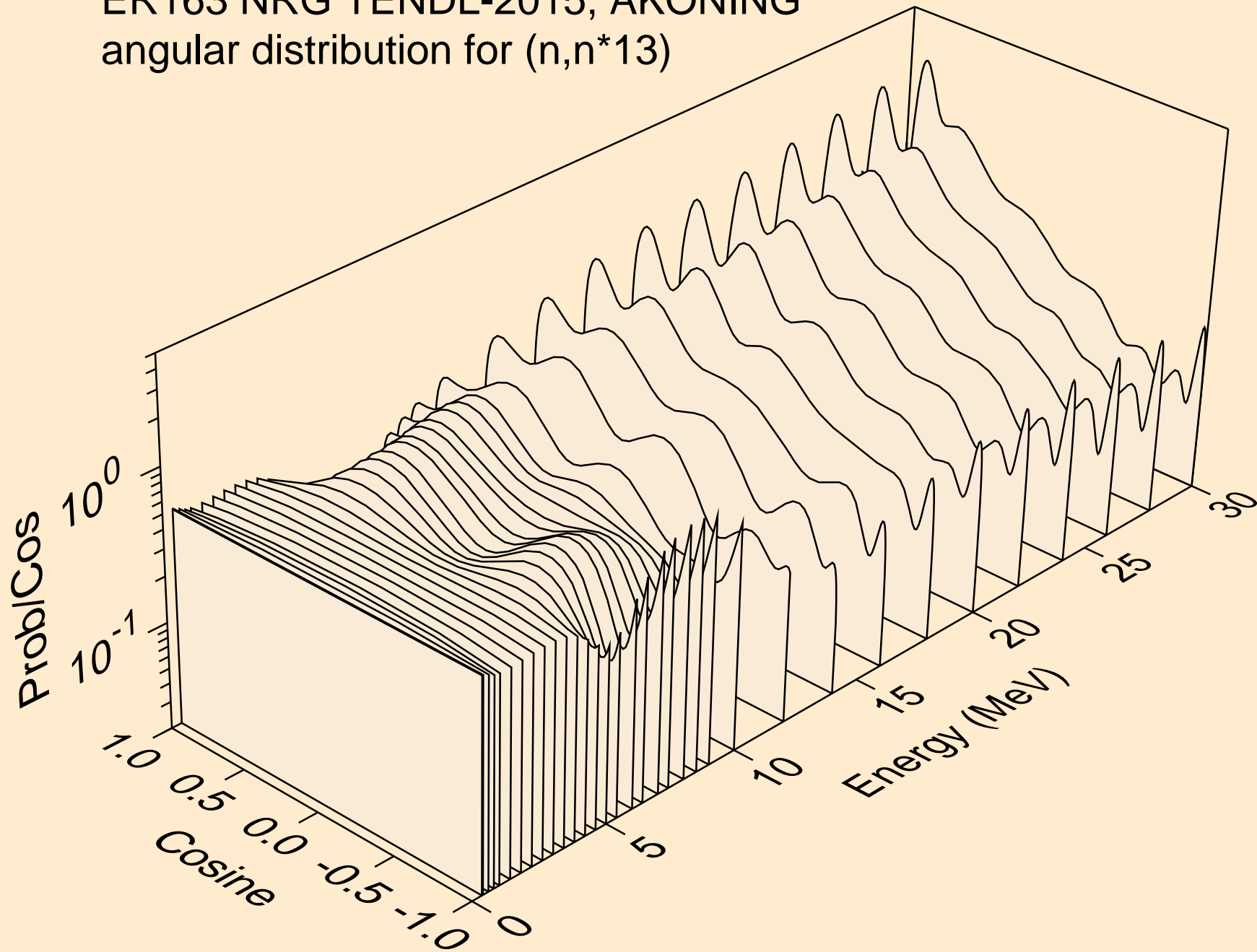
ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



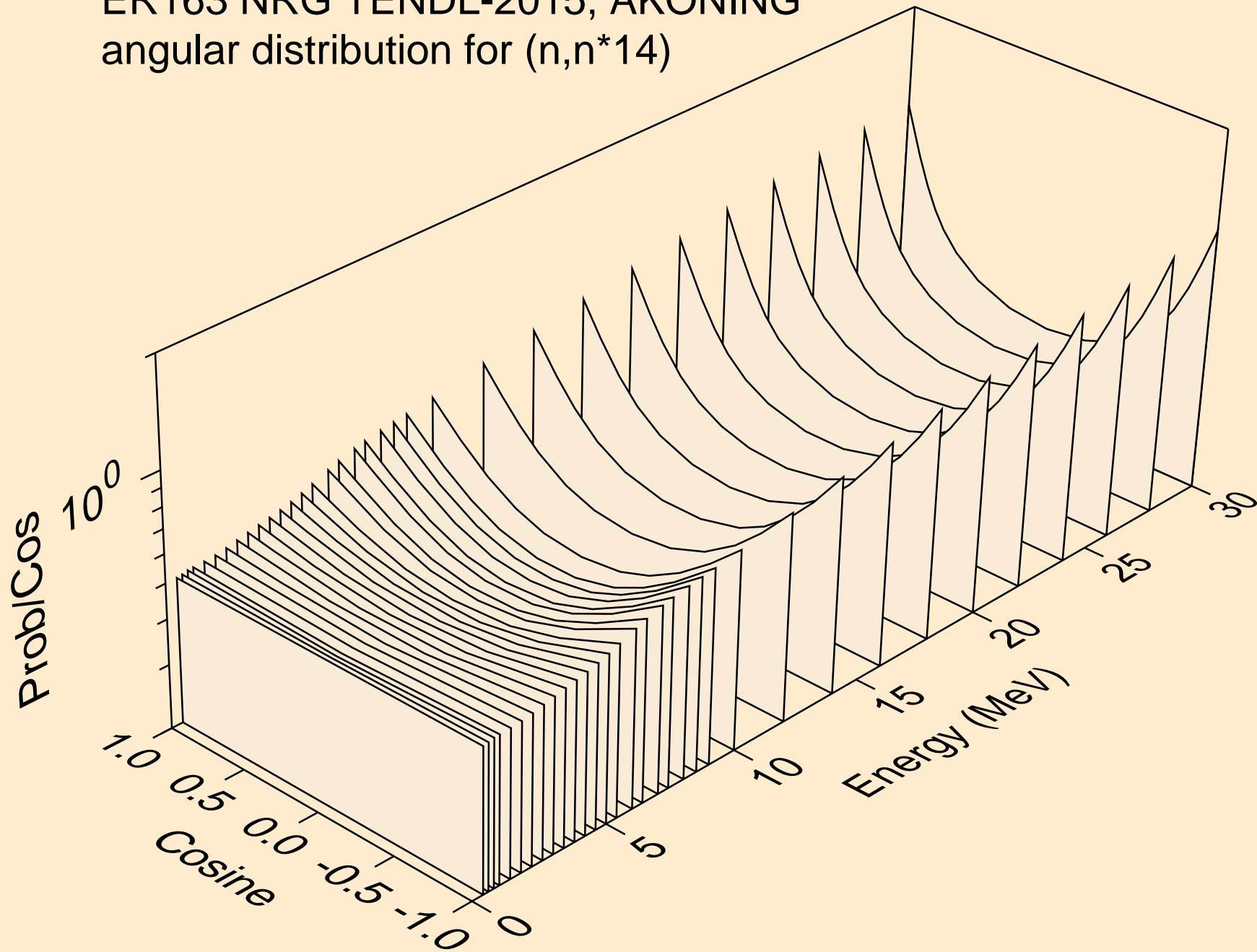
ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)



ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)

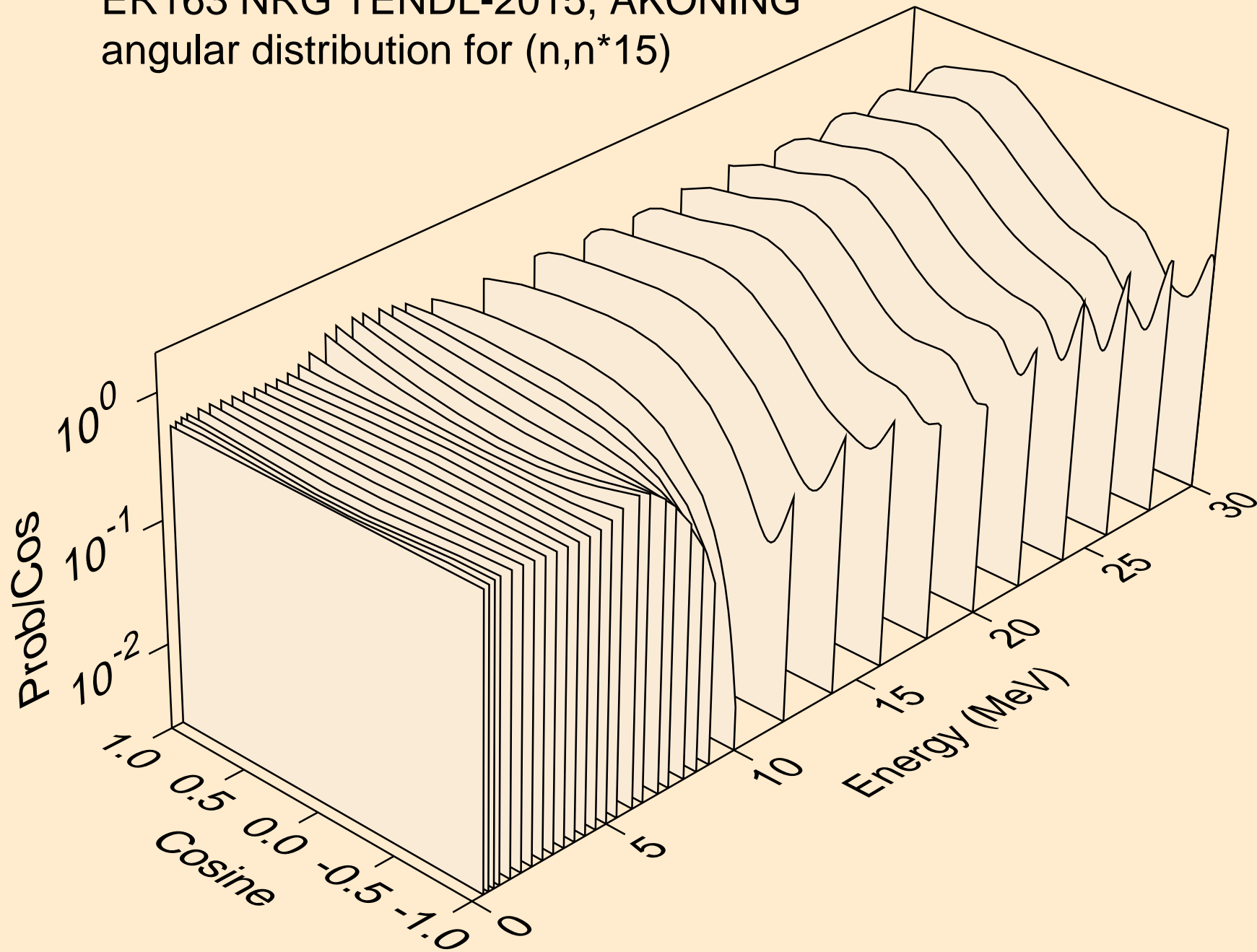


ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)

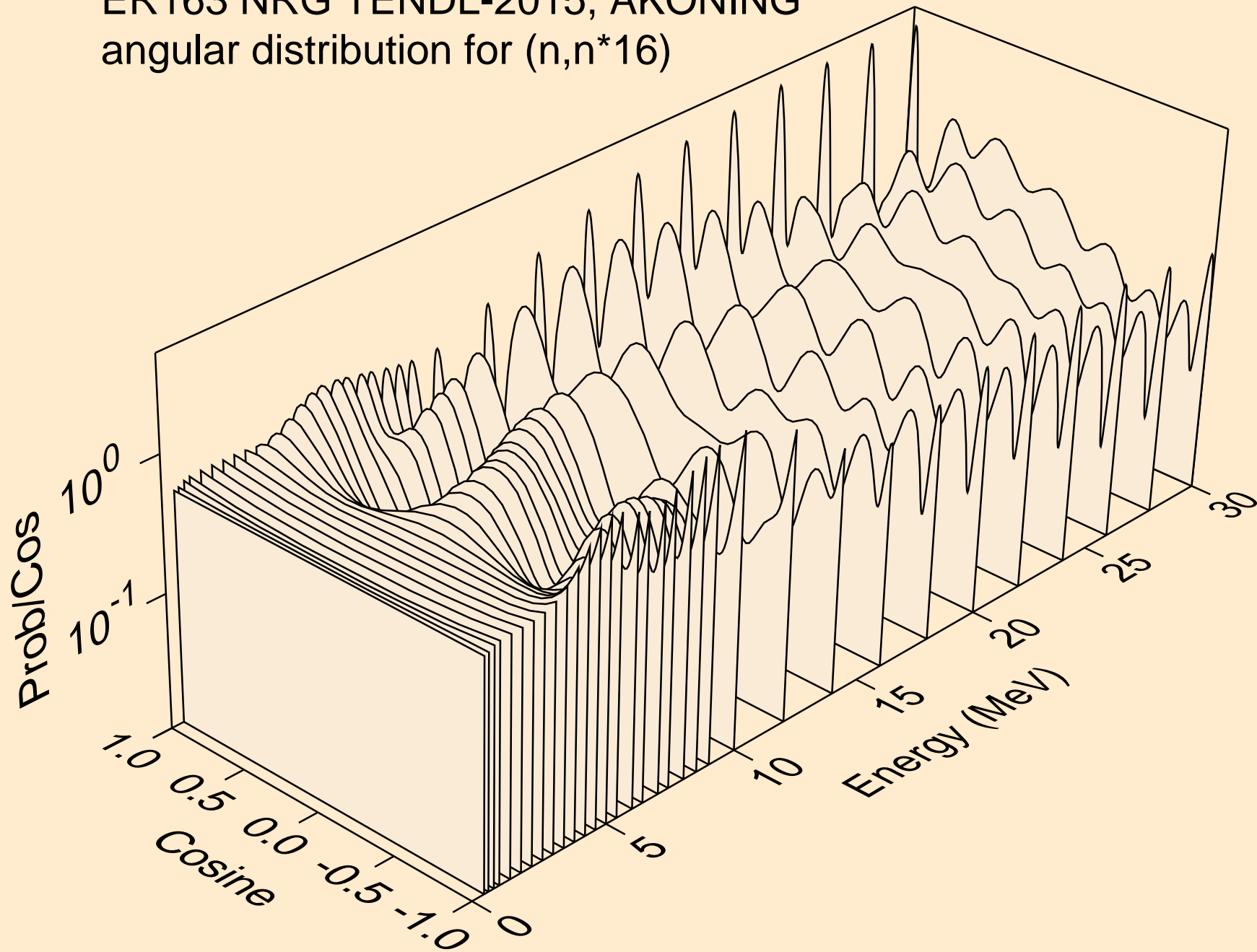




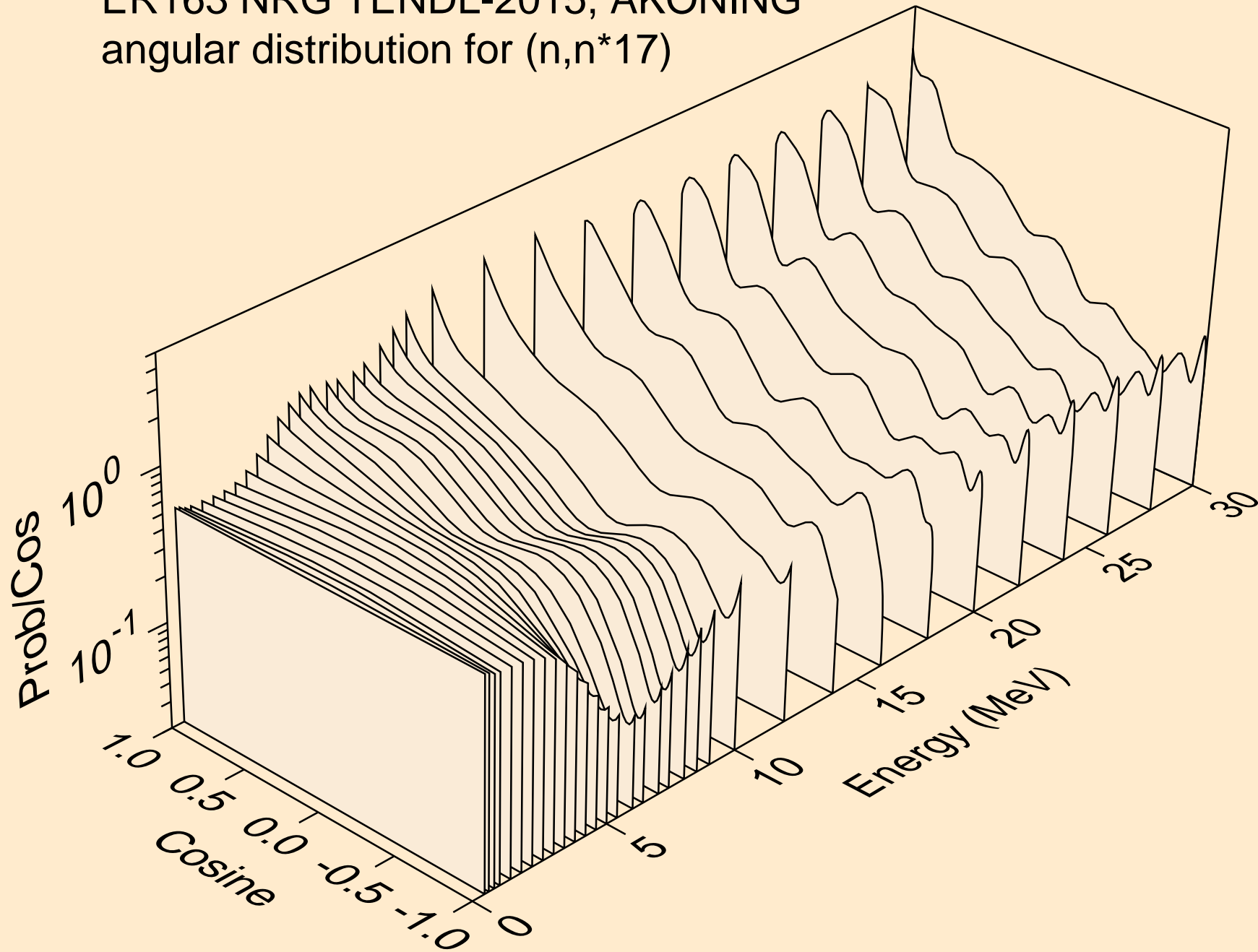
ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



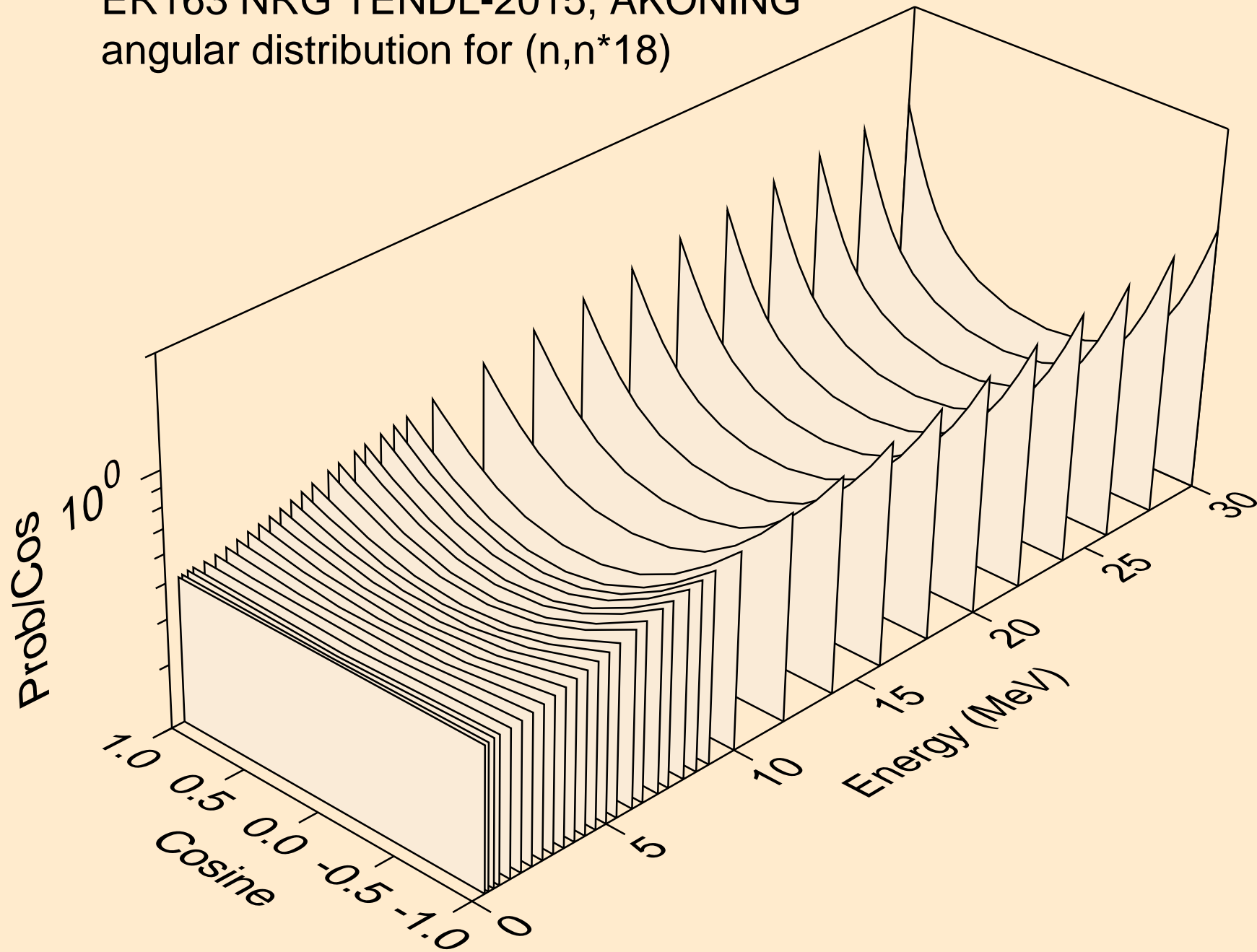
ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



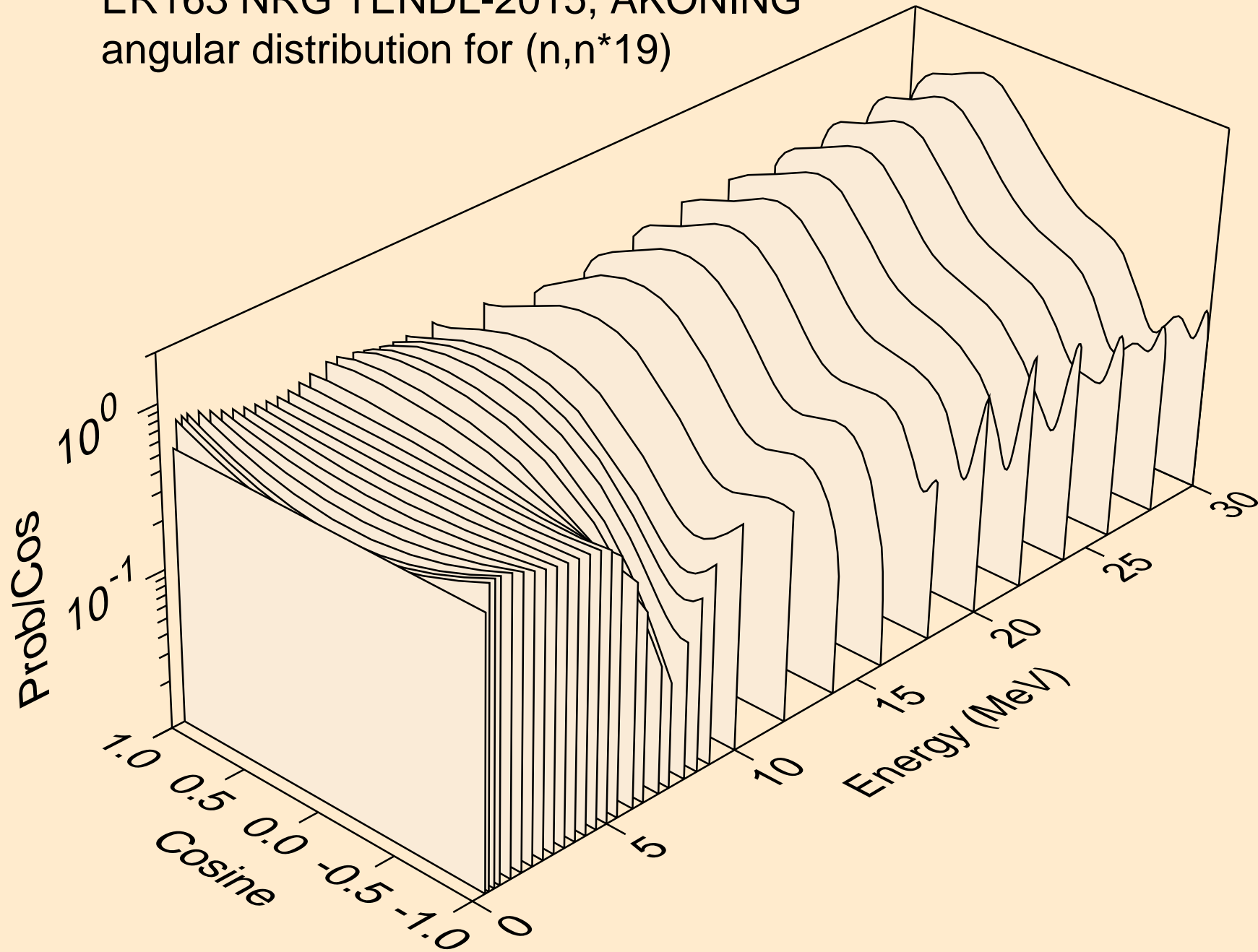
ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



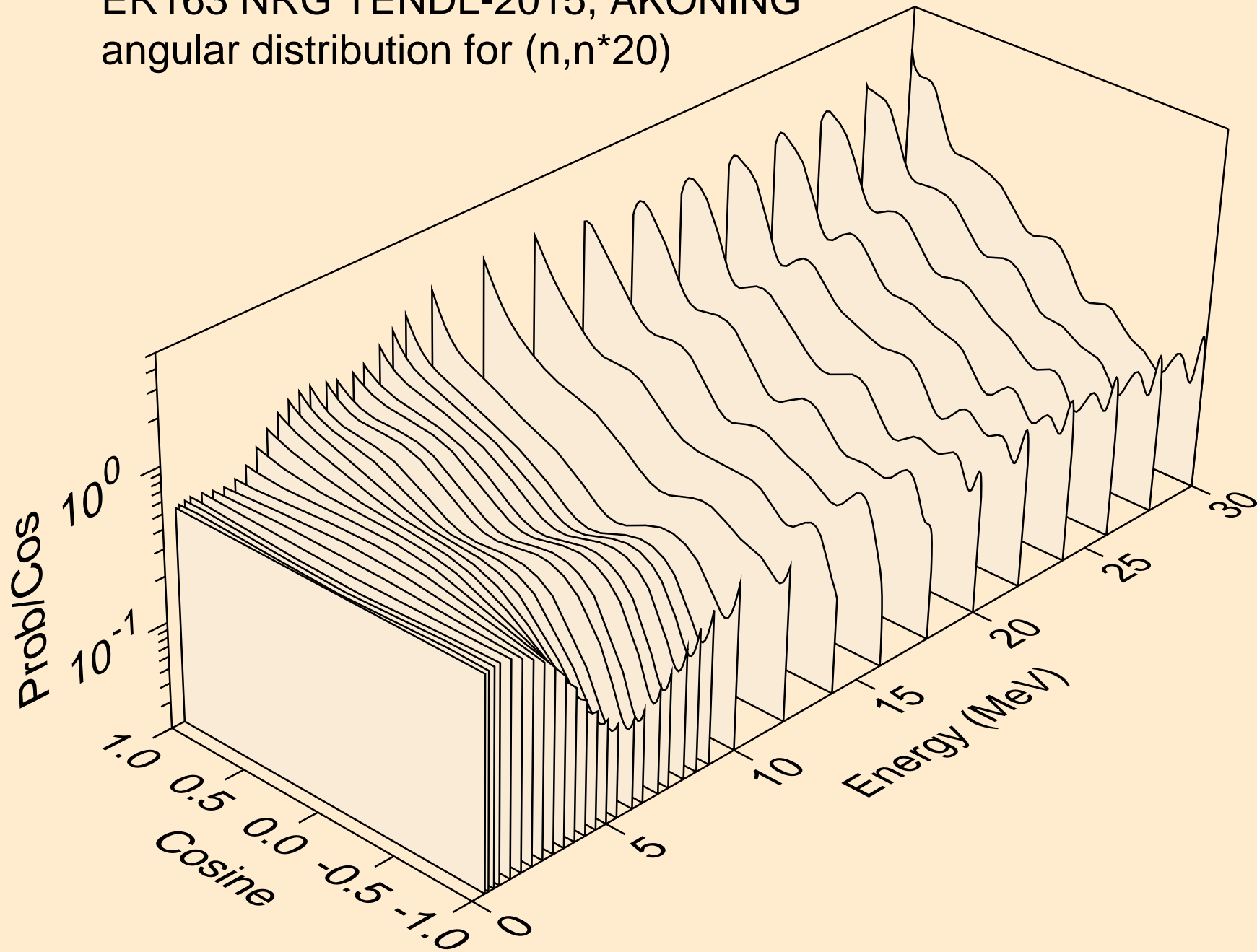
ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*18)



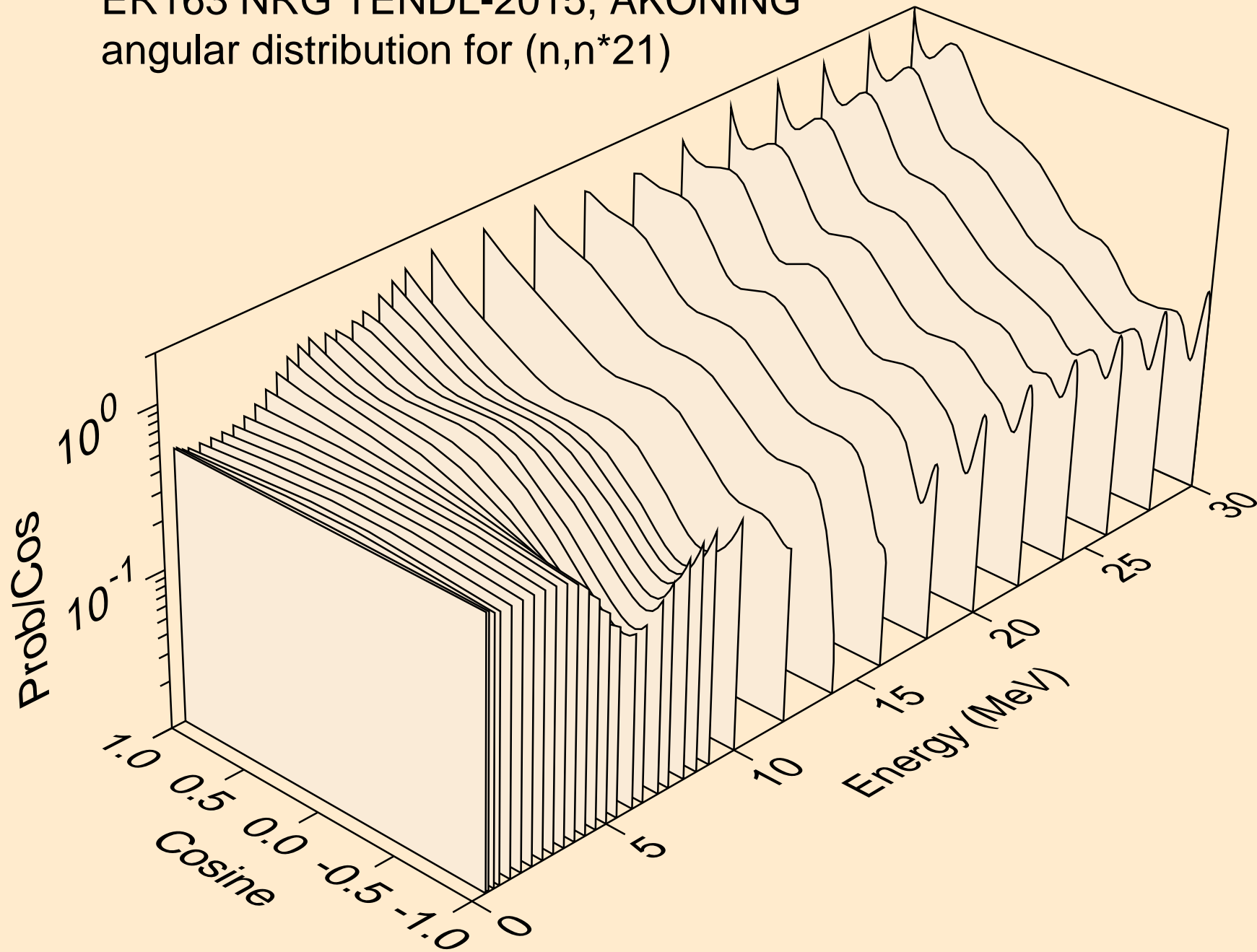
ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*19)



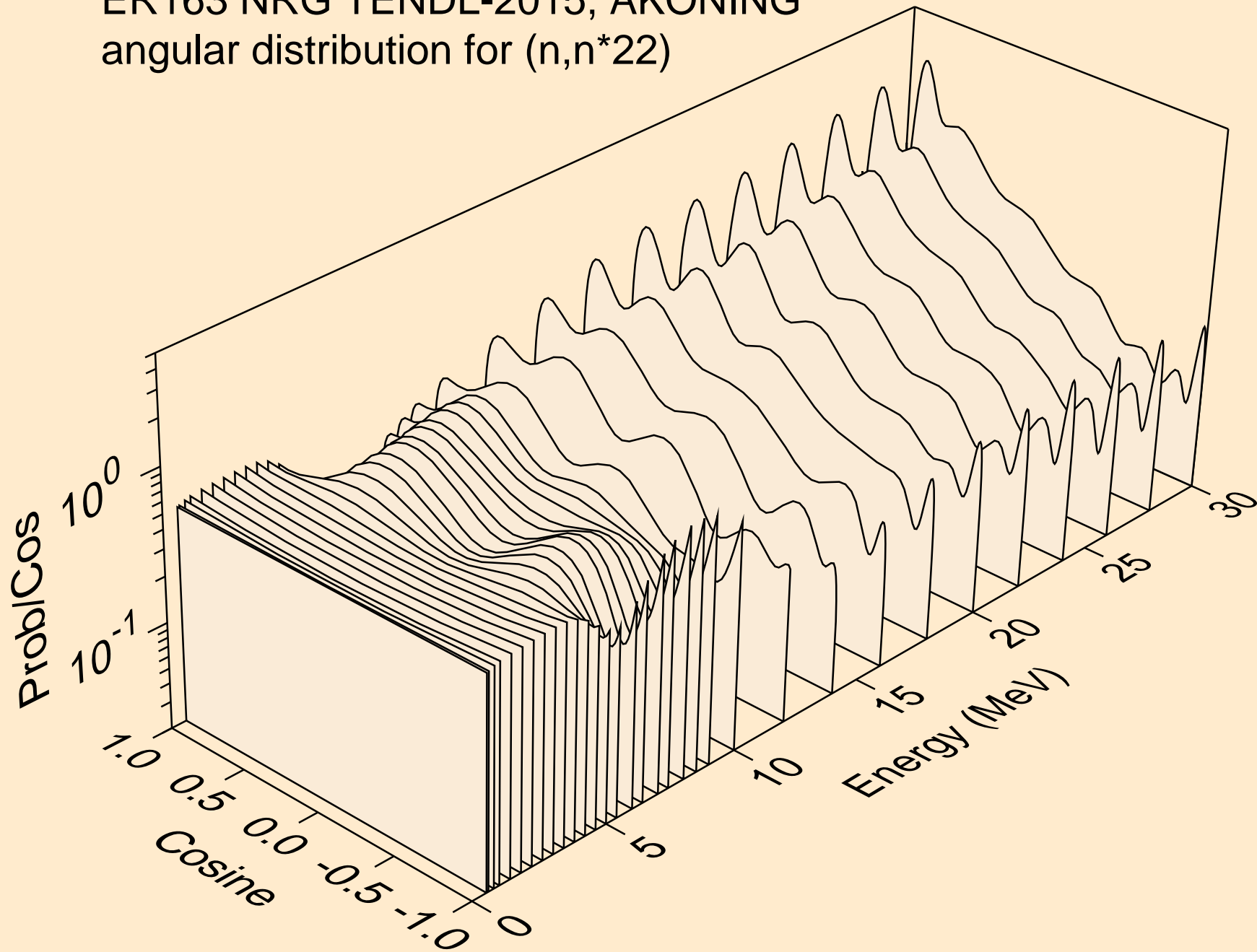
ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*20)



ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*21)

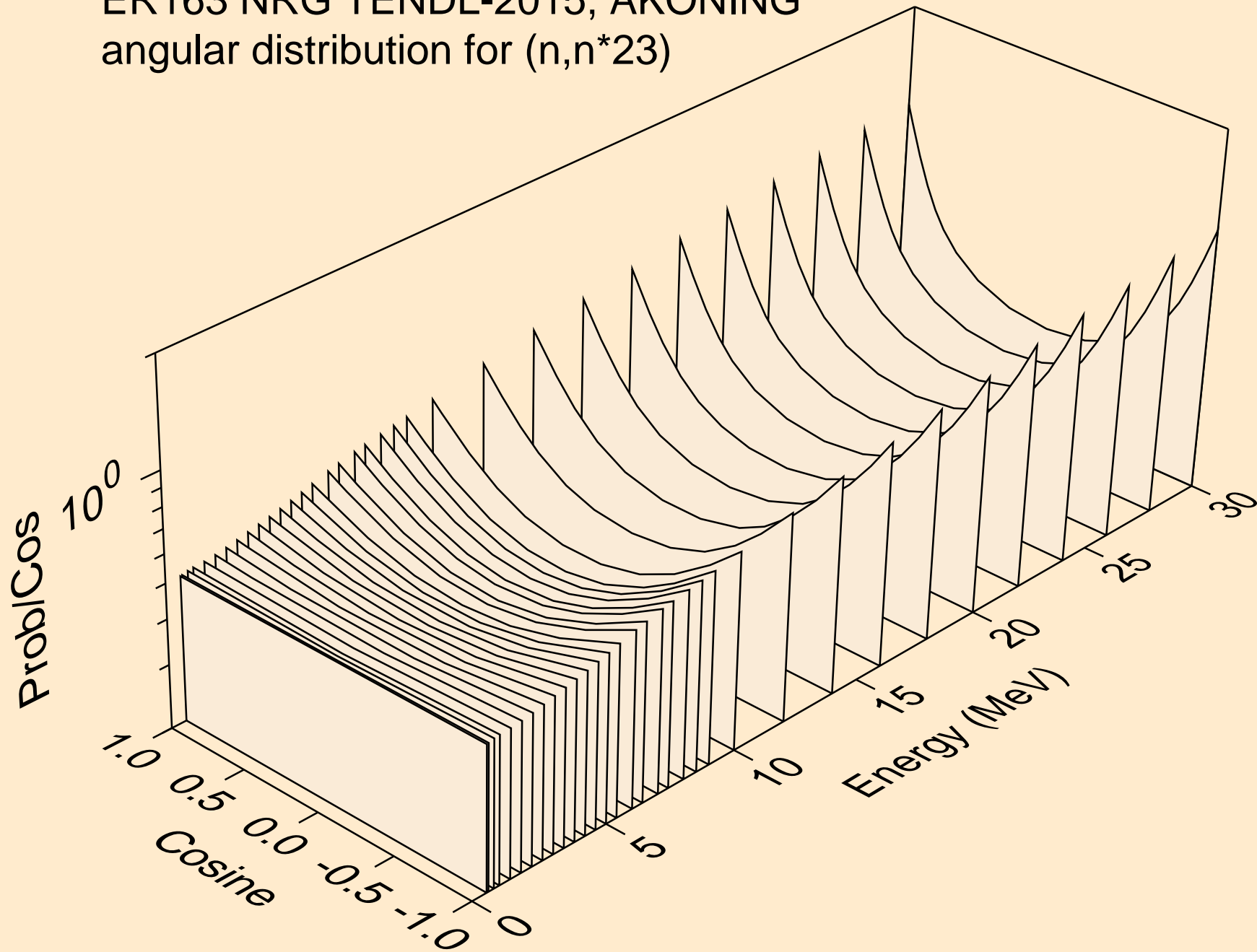


ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*22)

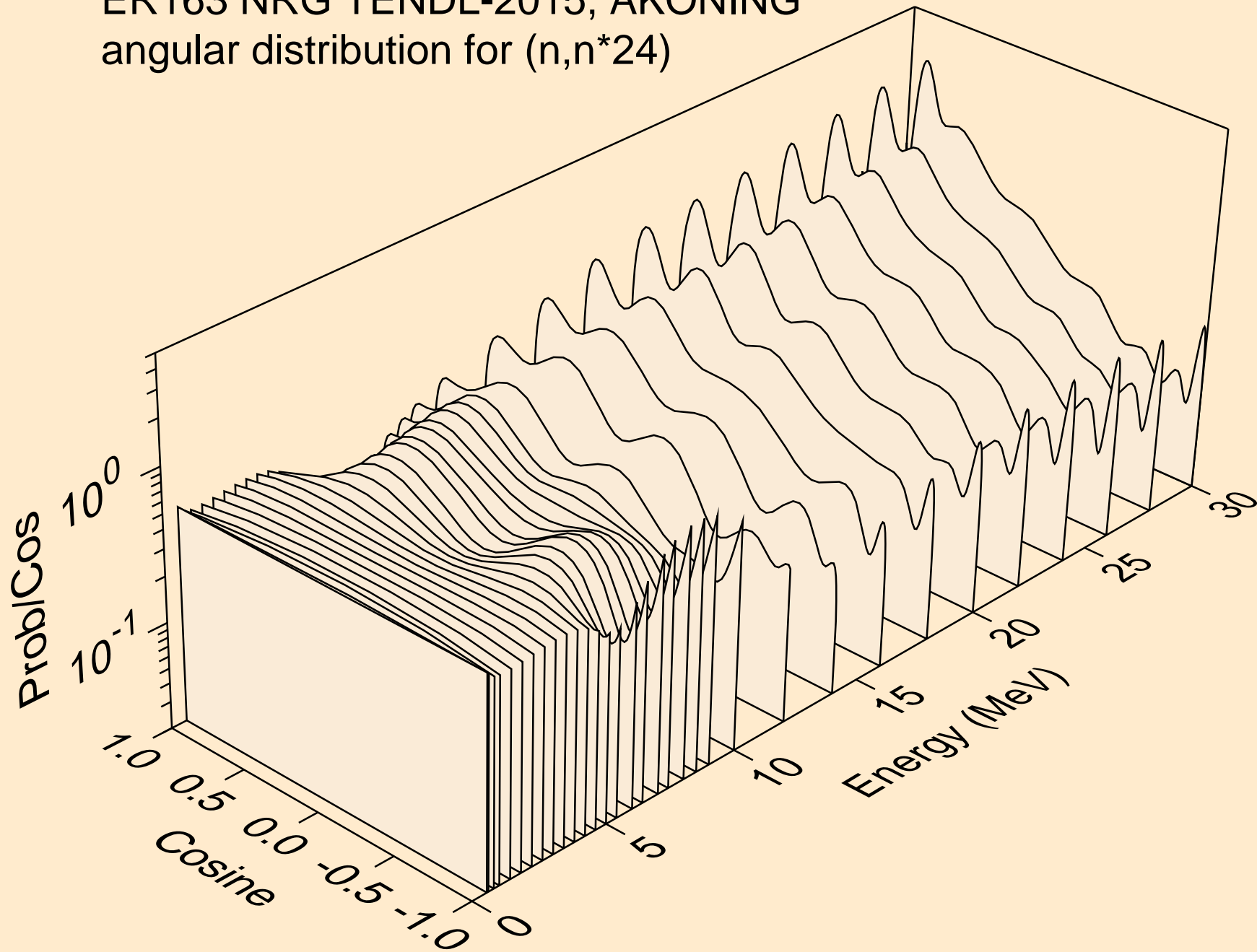




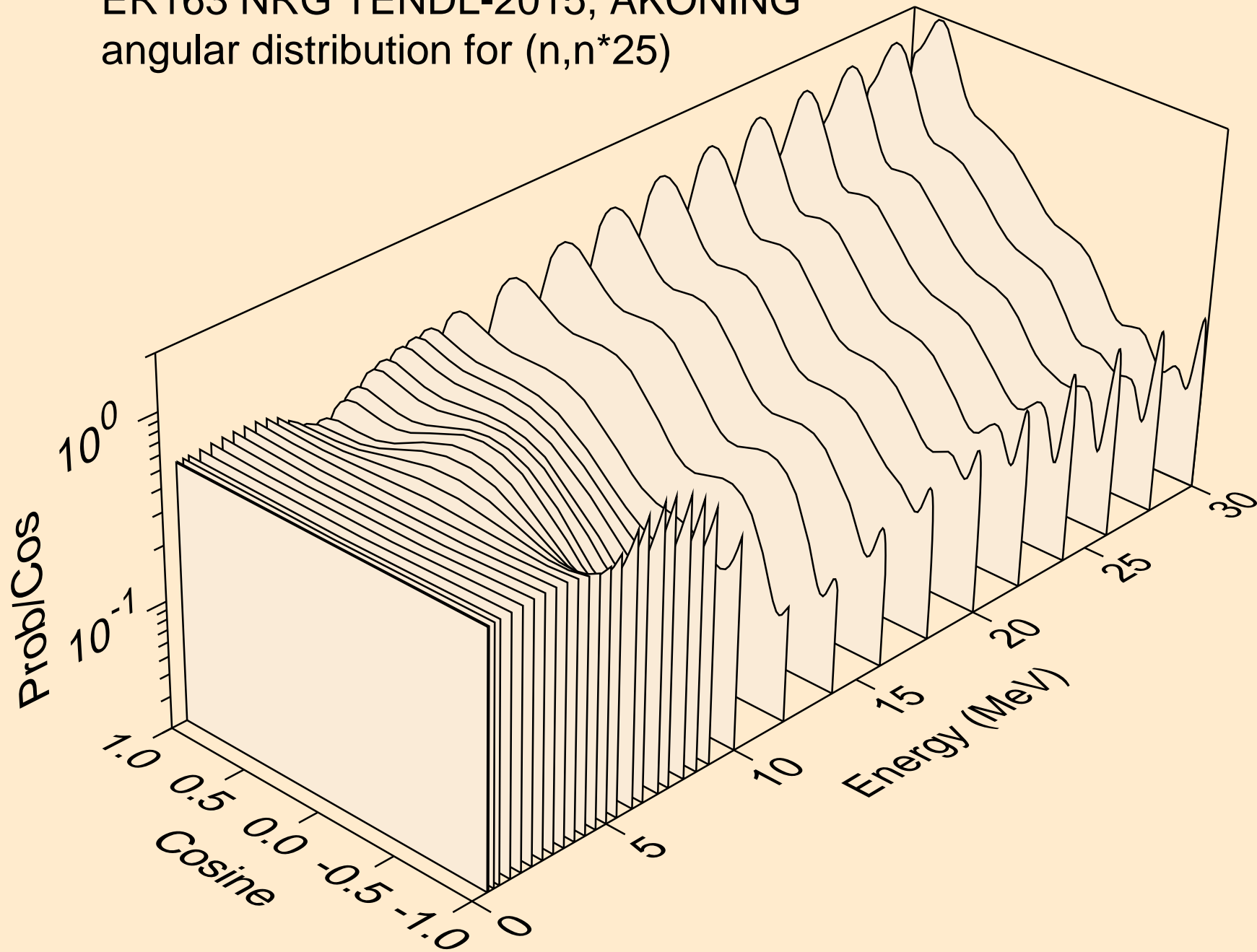
ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*23)



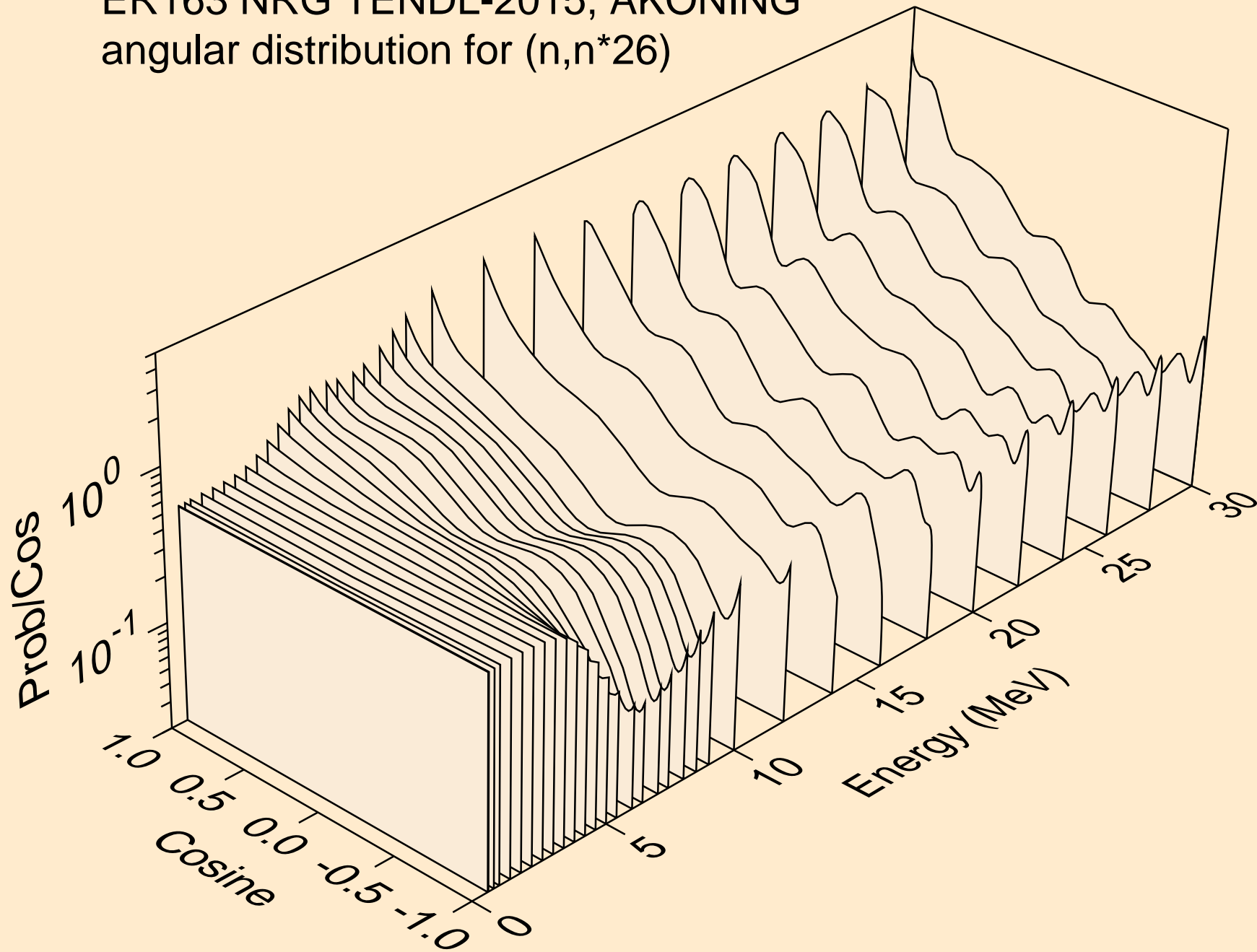
ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*24)



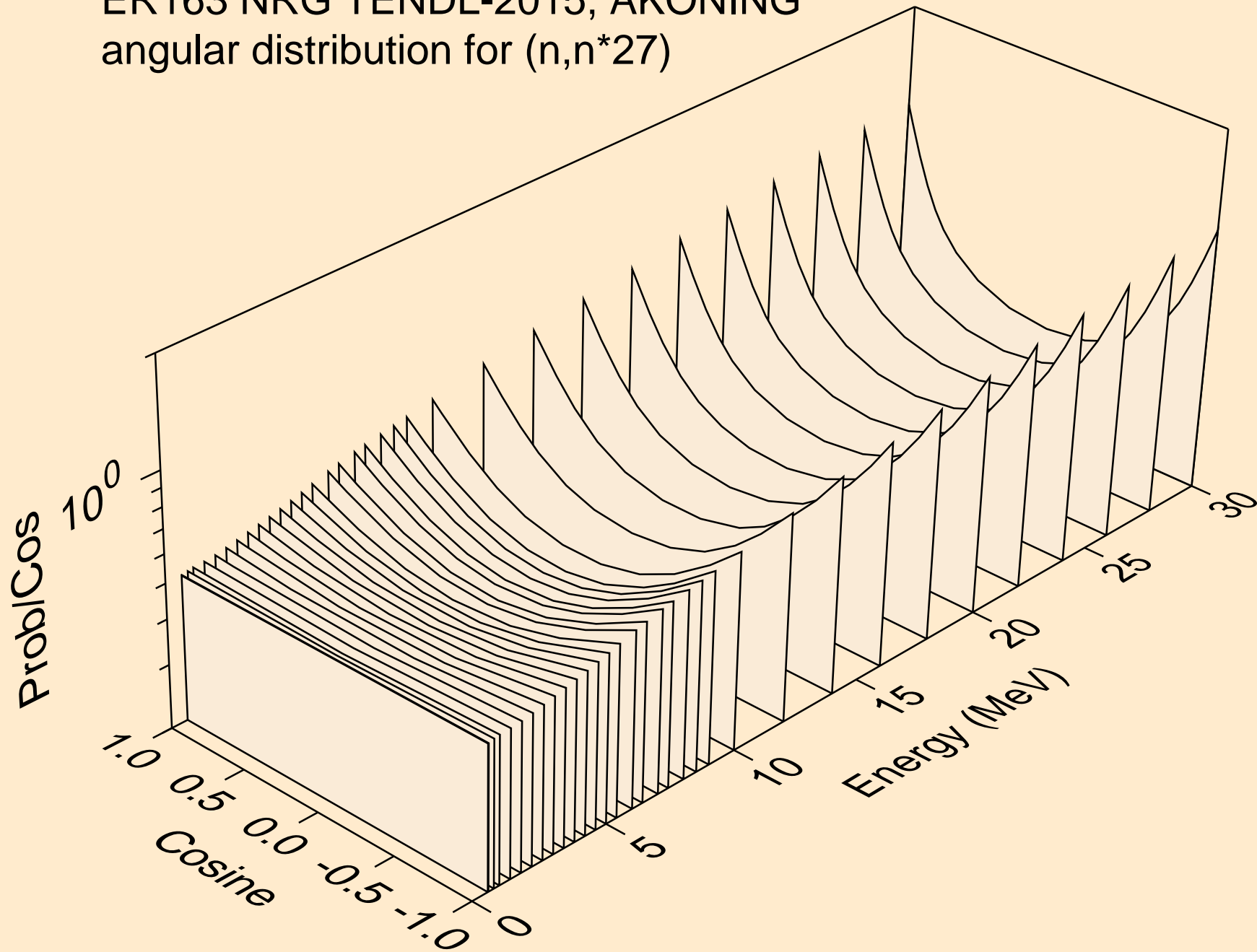
ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*25)



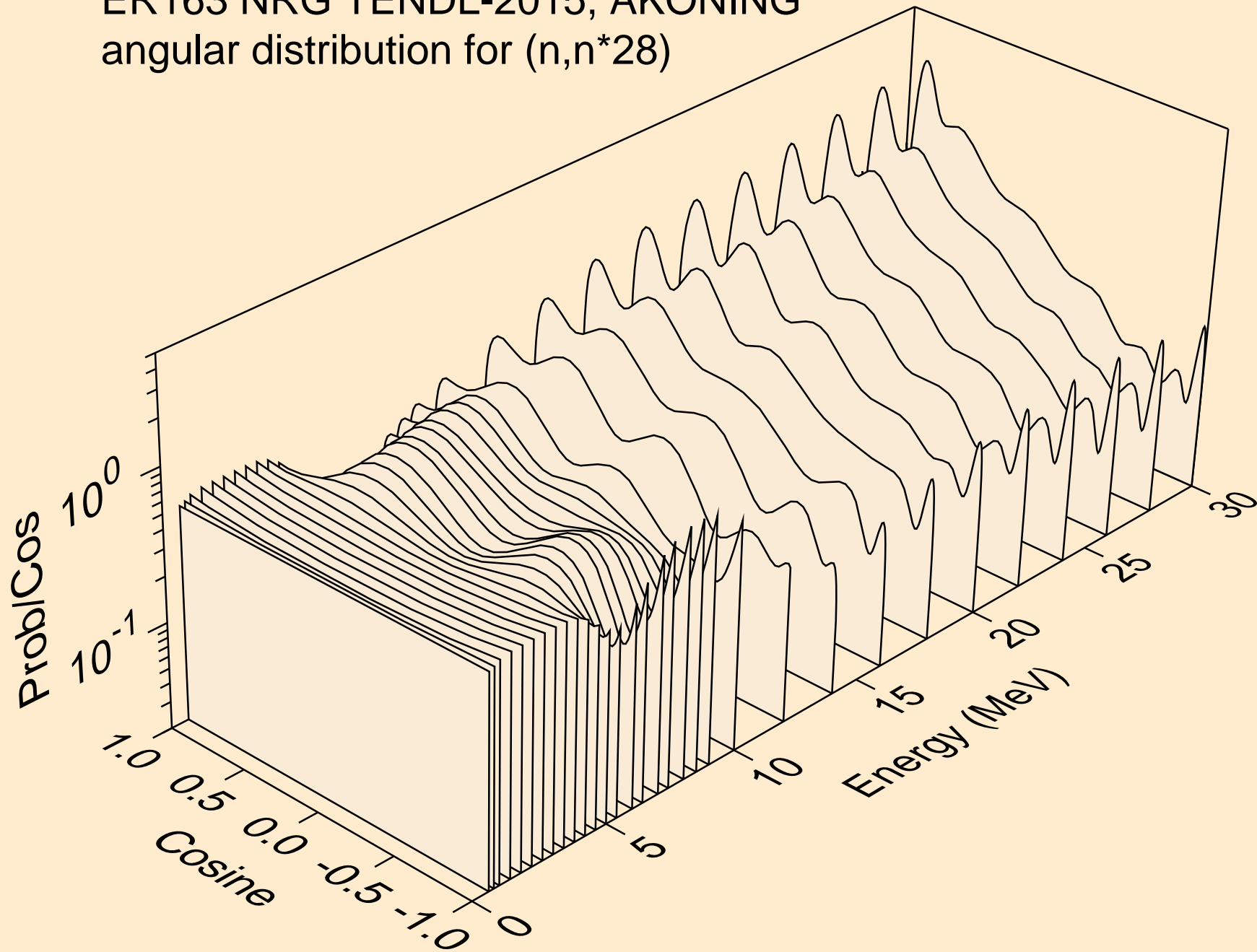
ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*26)



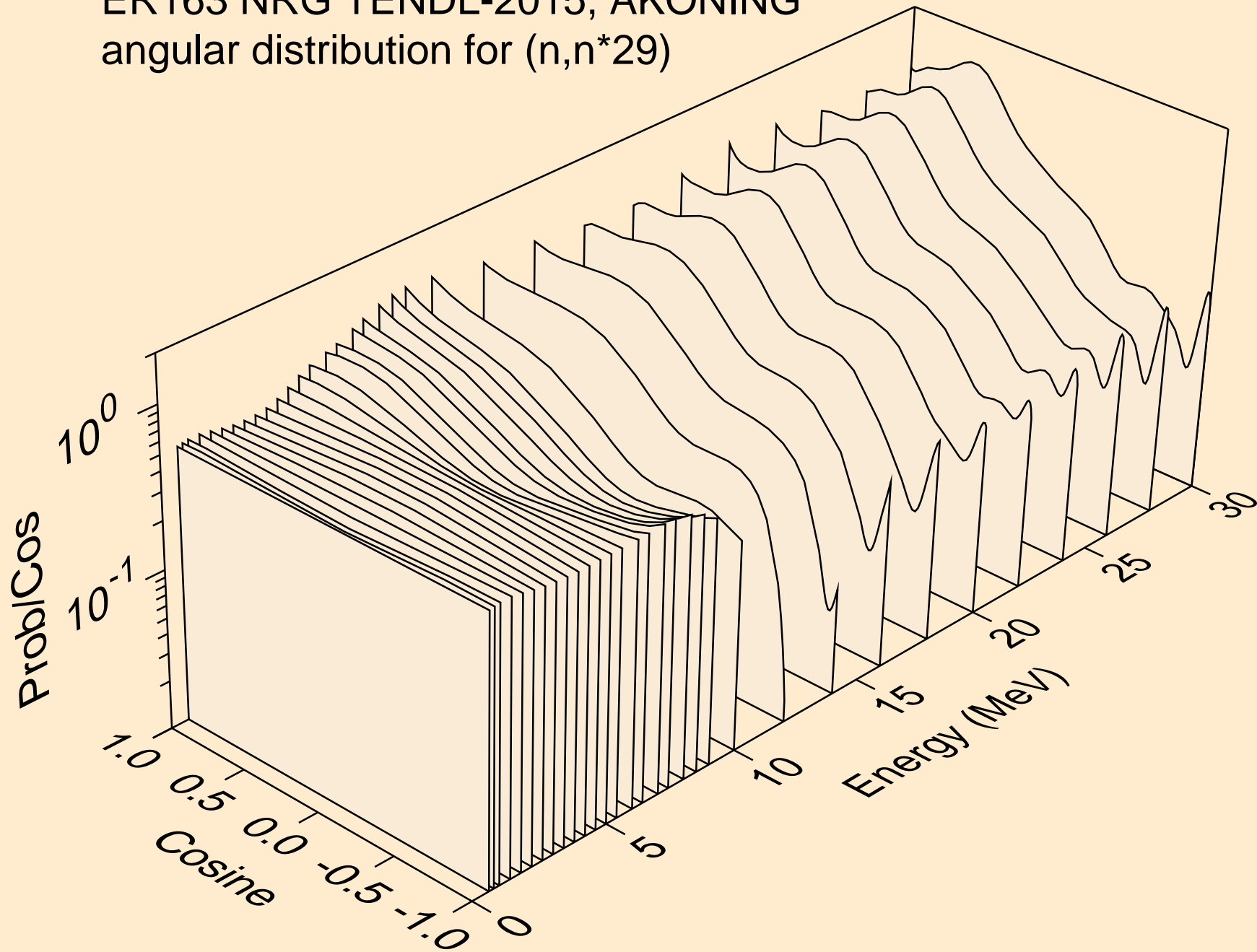
ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*27)



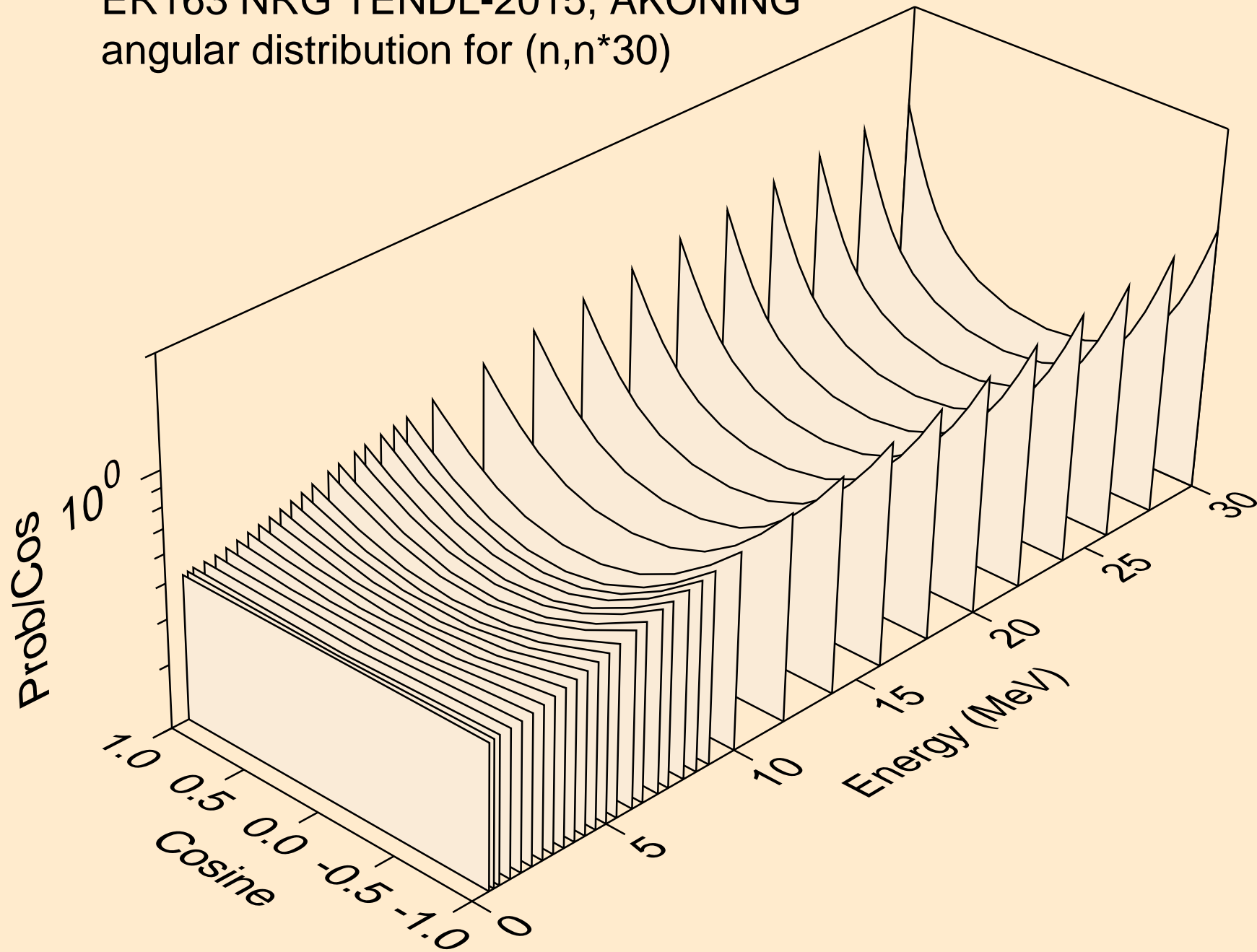
ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*28)



ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*29)

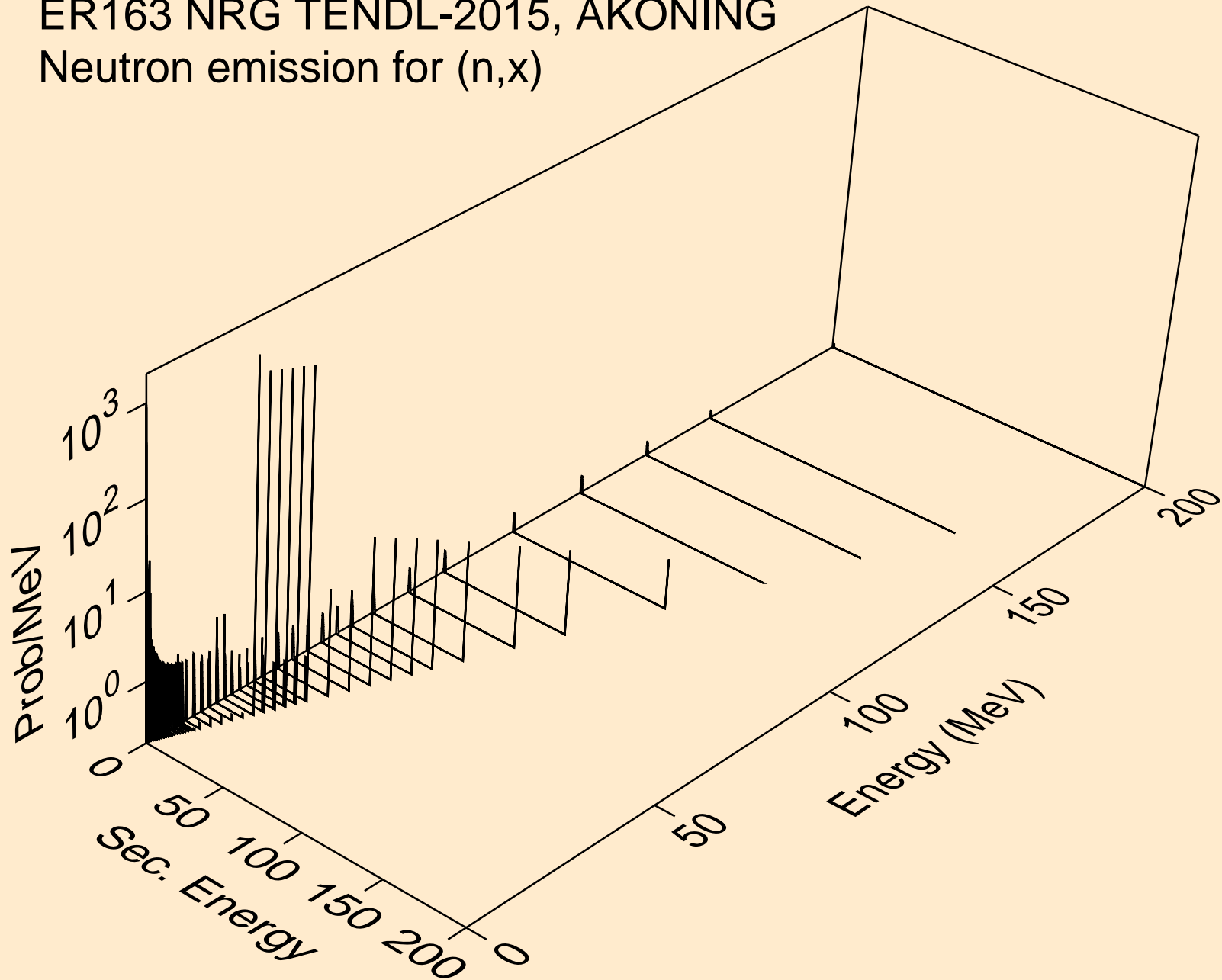


ER163 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*30)

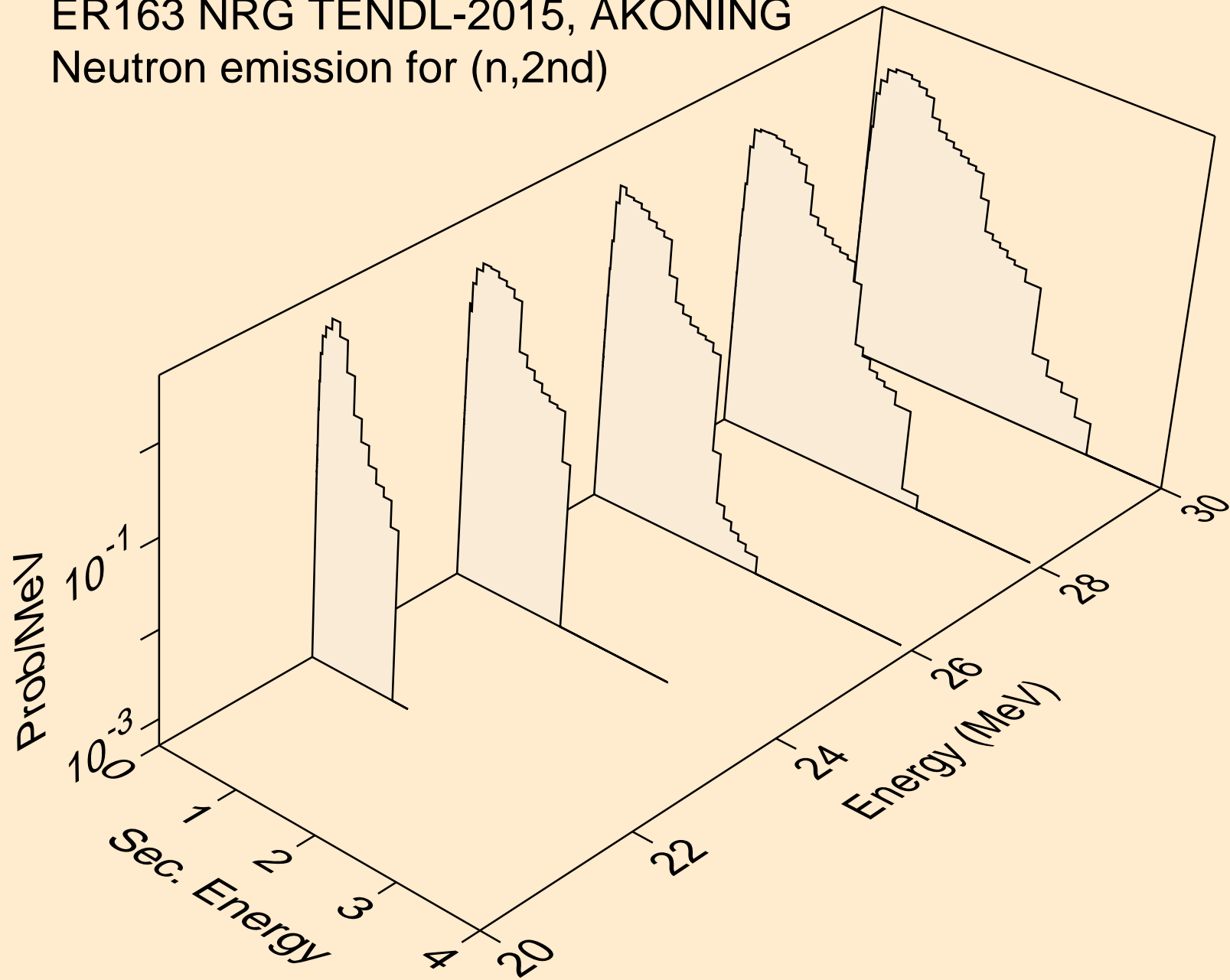




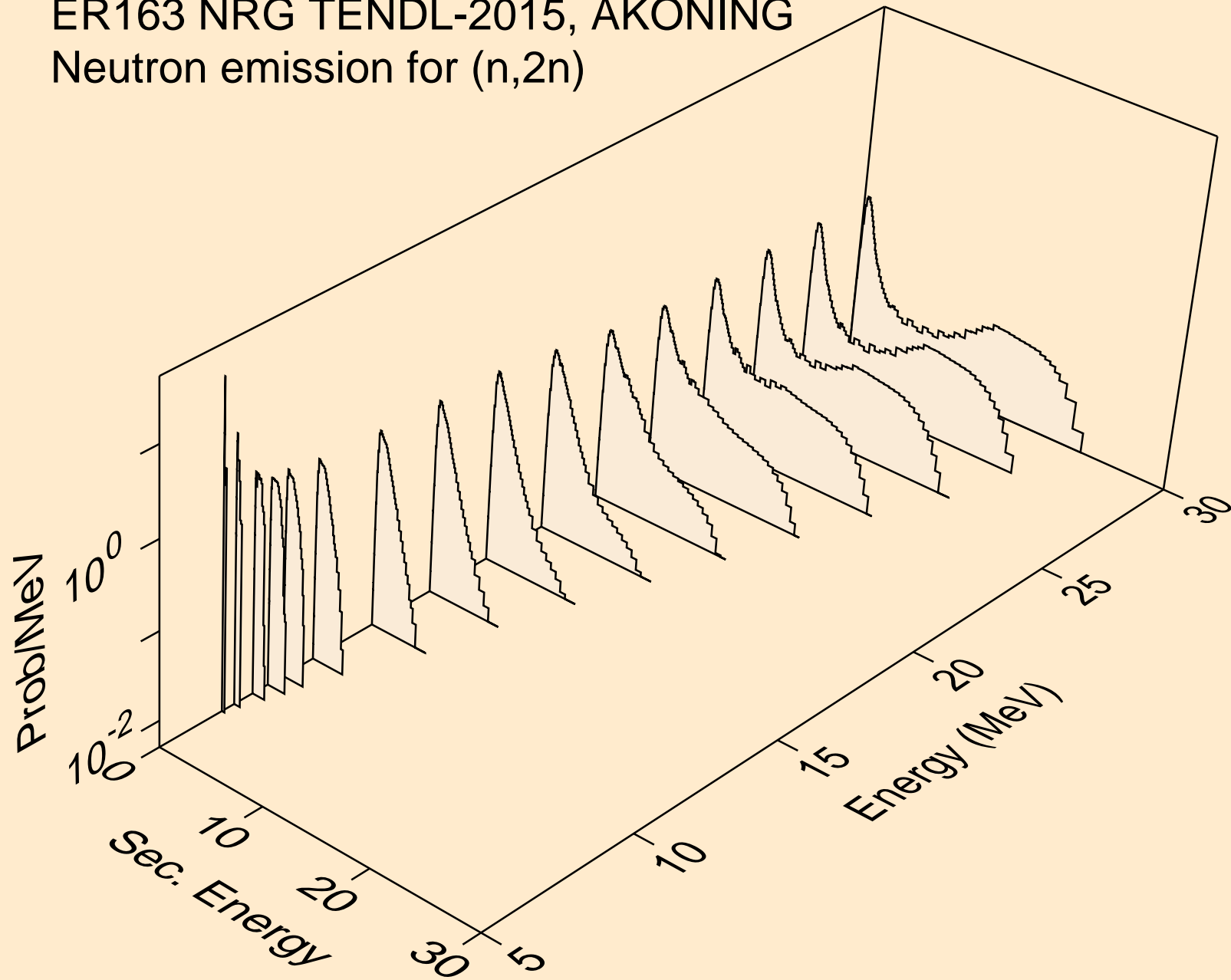
ER163 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



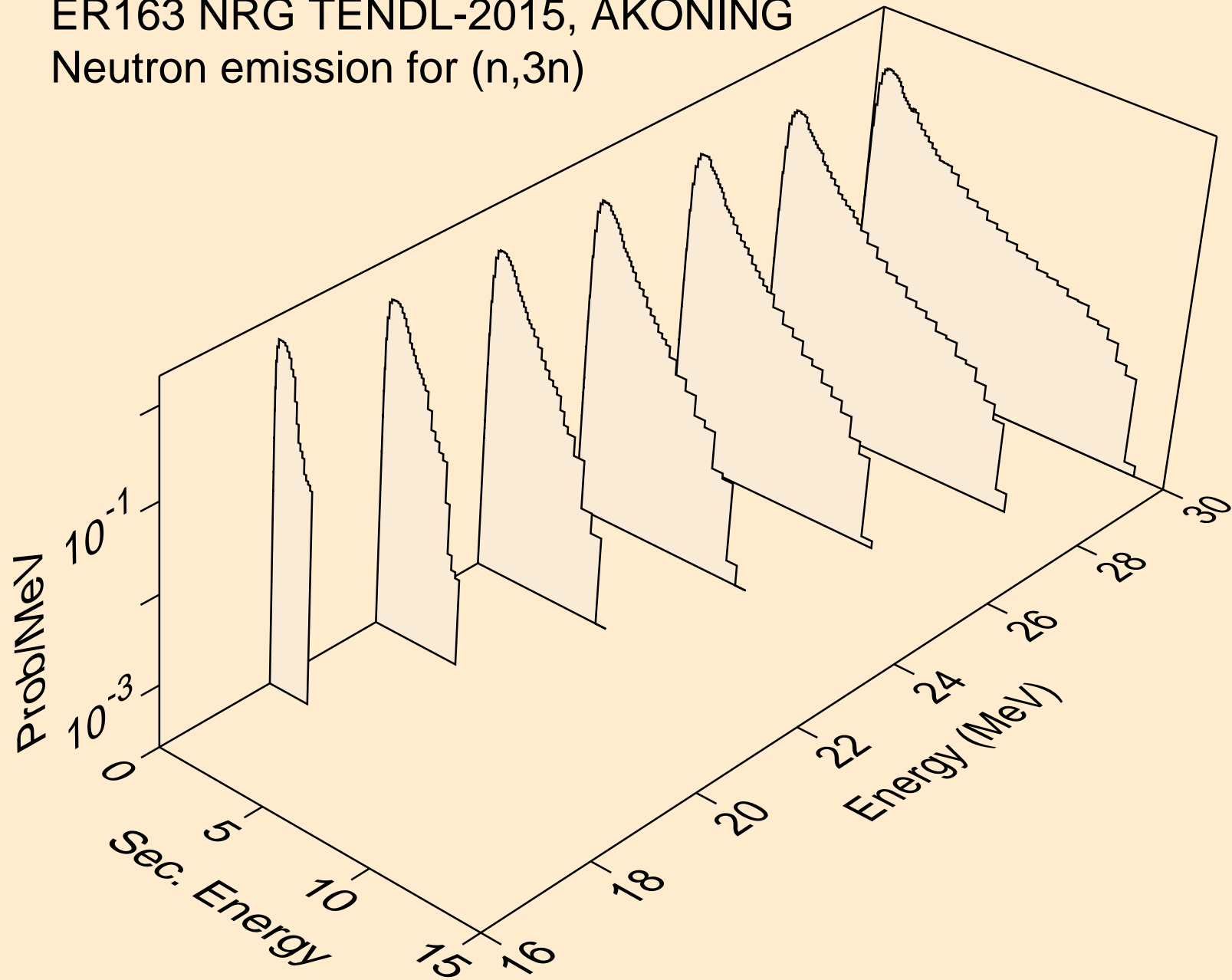
ER163 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



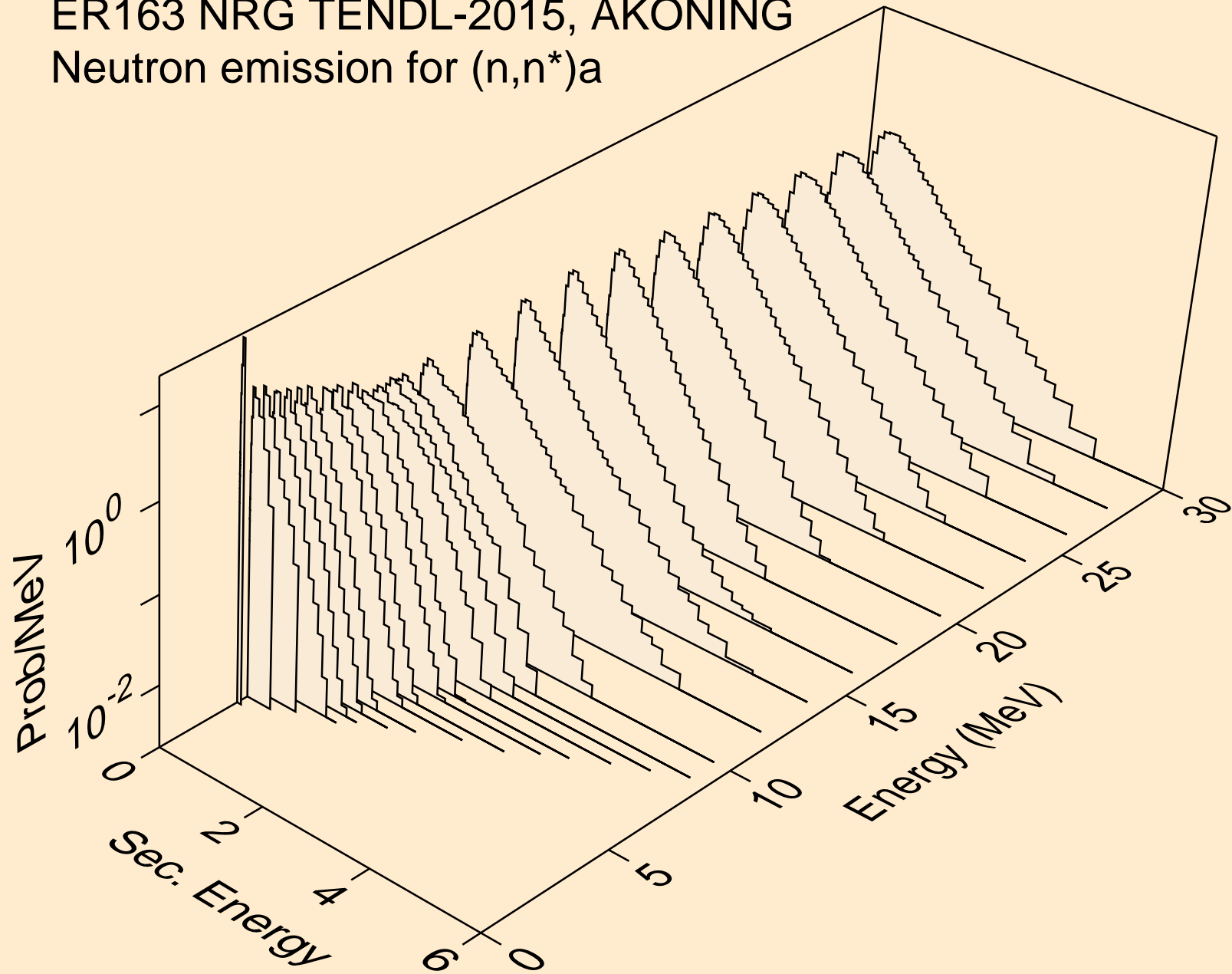
ER163 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



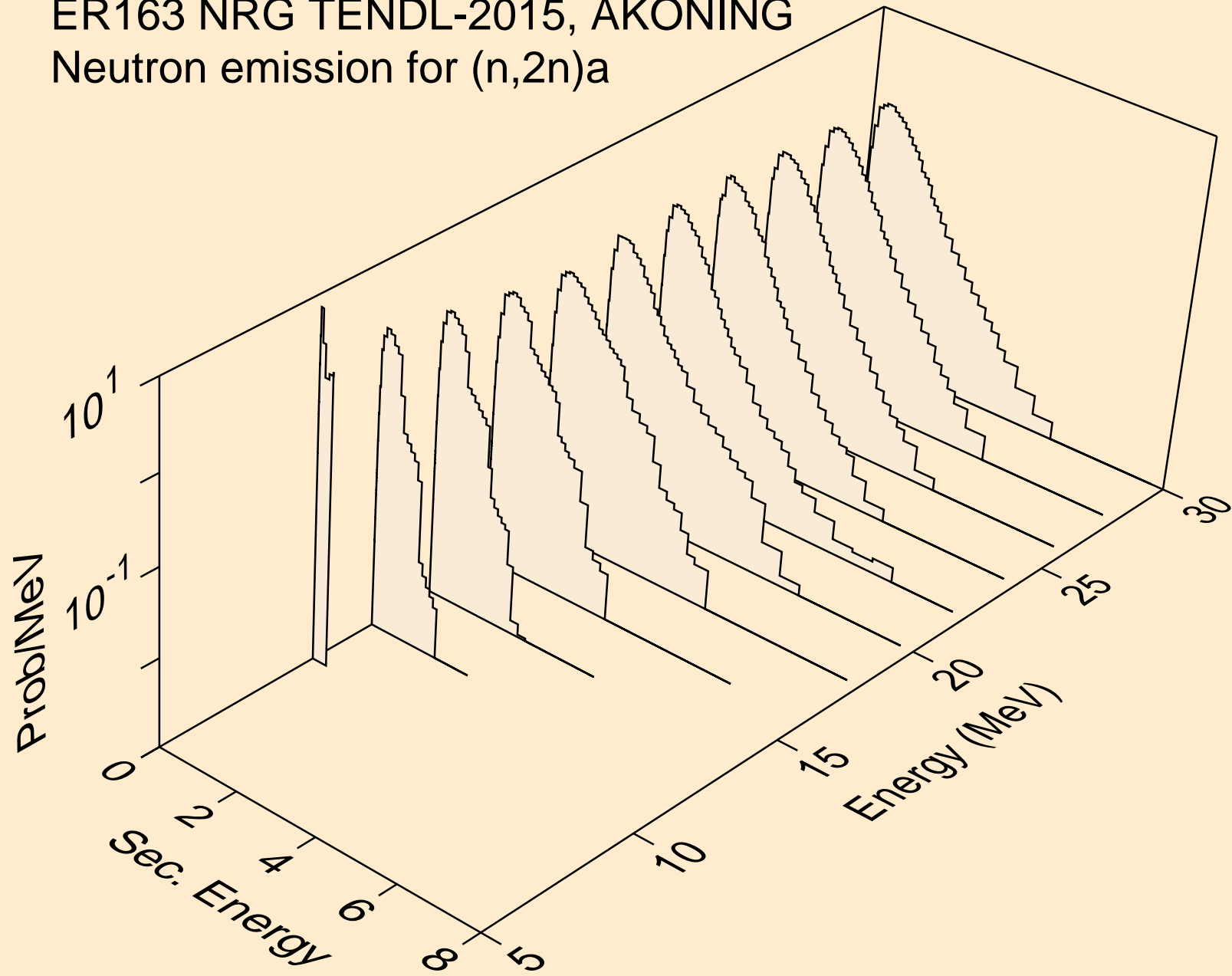
ER163 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



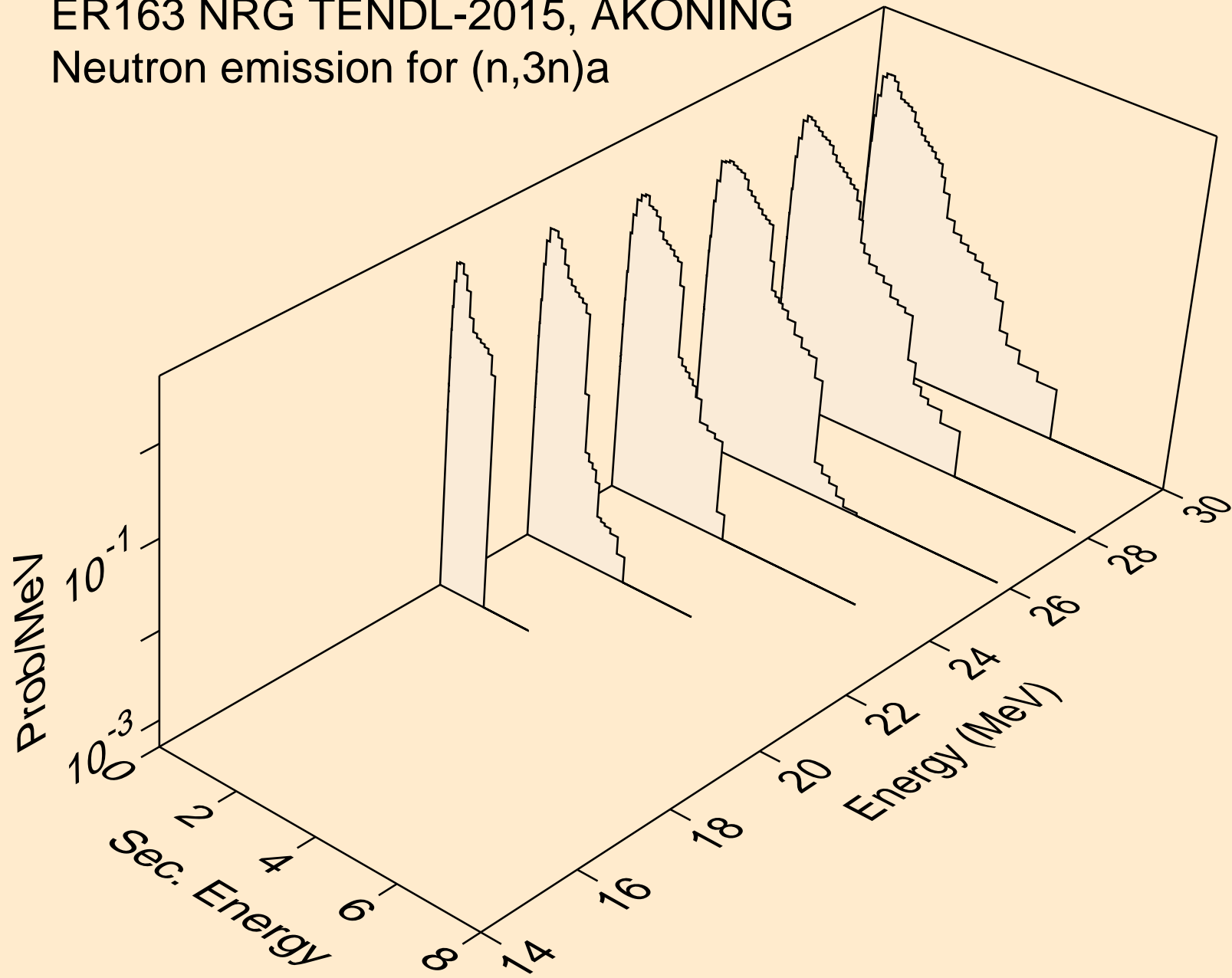
ER163 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



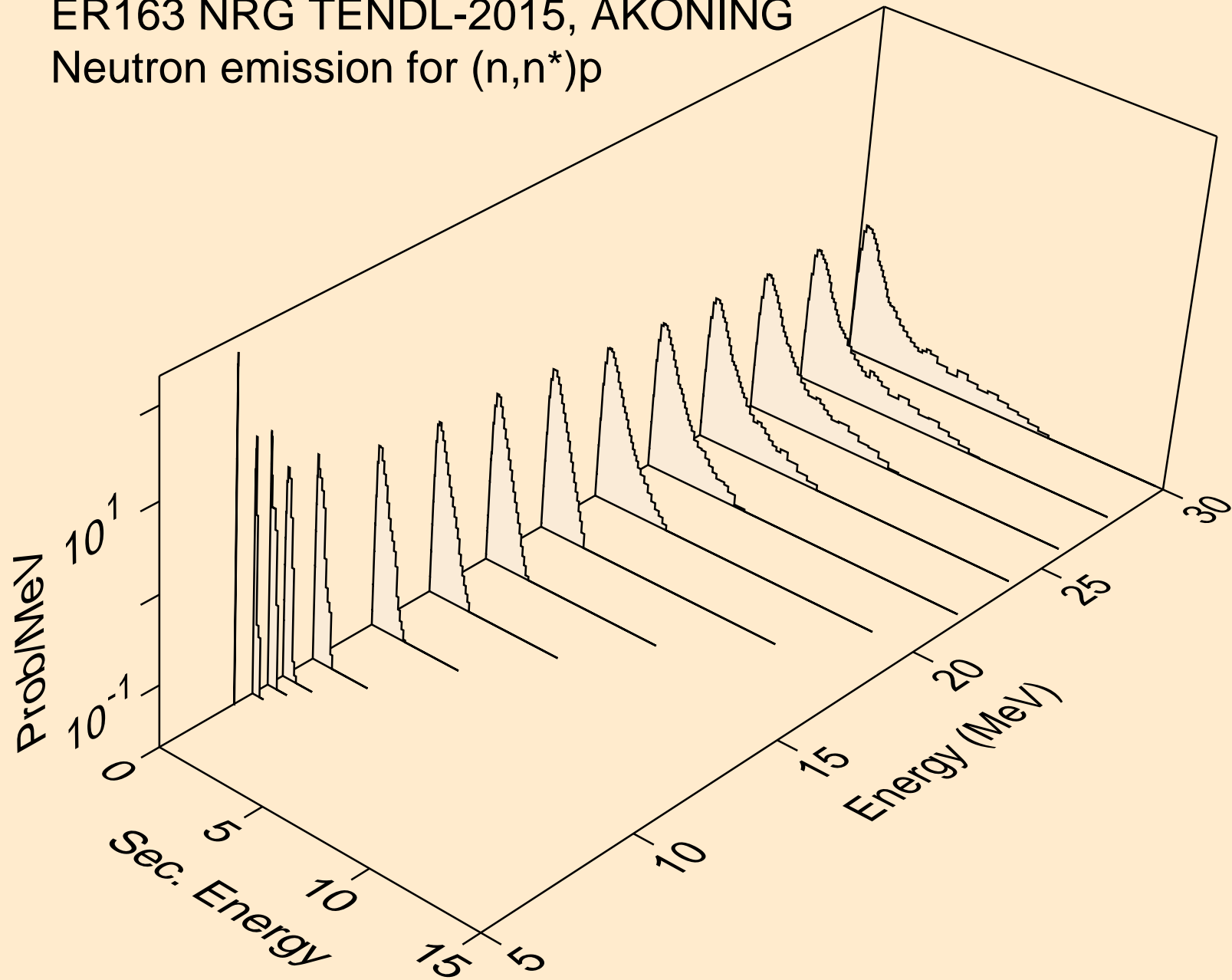
ER163 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



ER163 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a

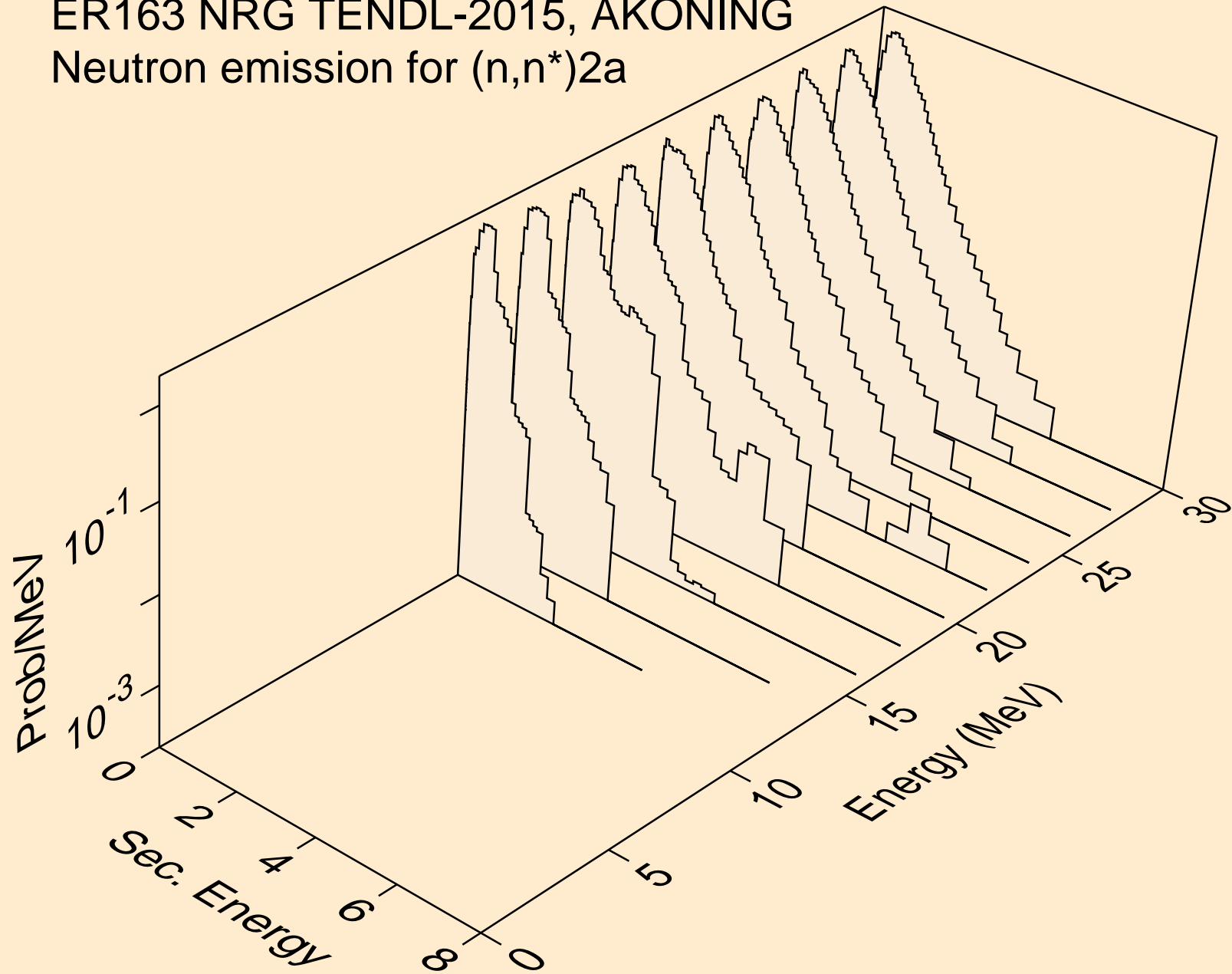


ER163 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p

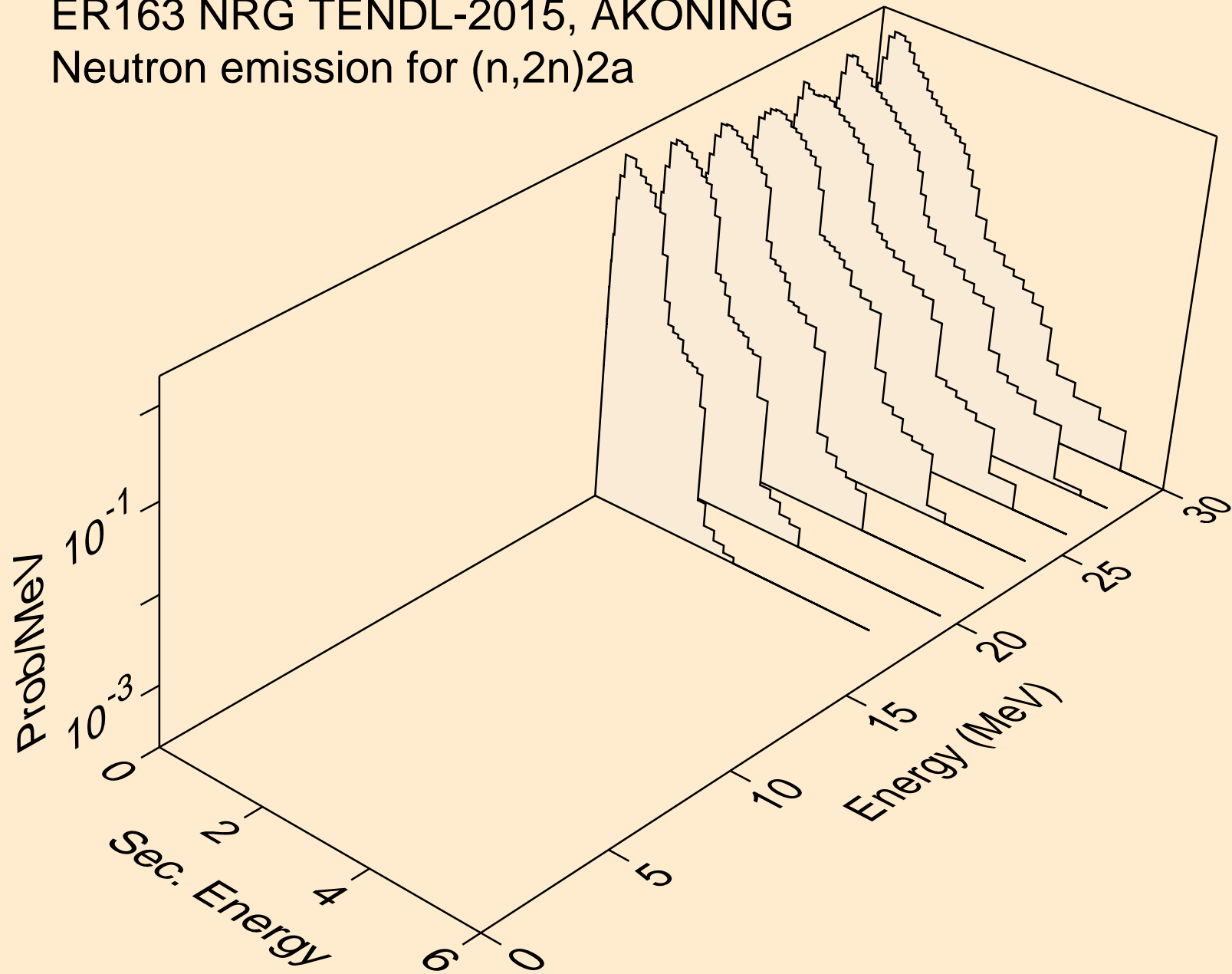




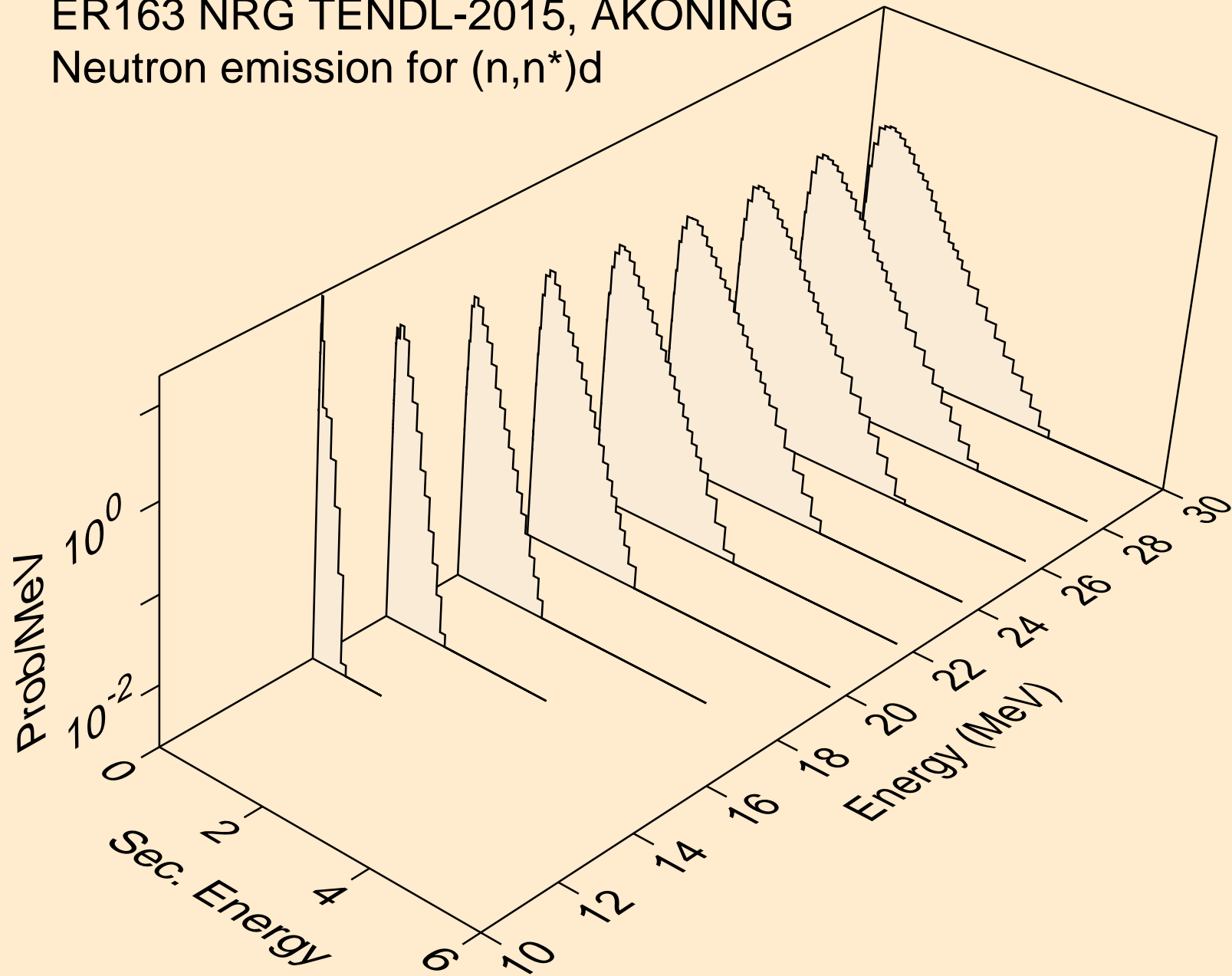
ER163 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



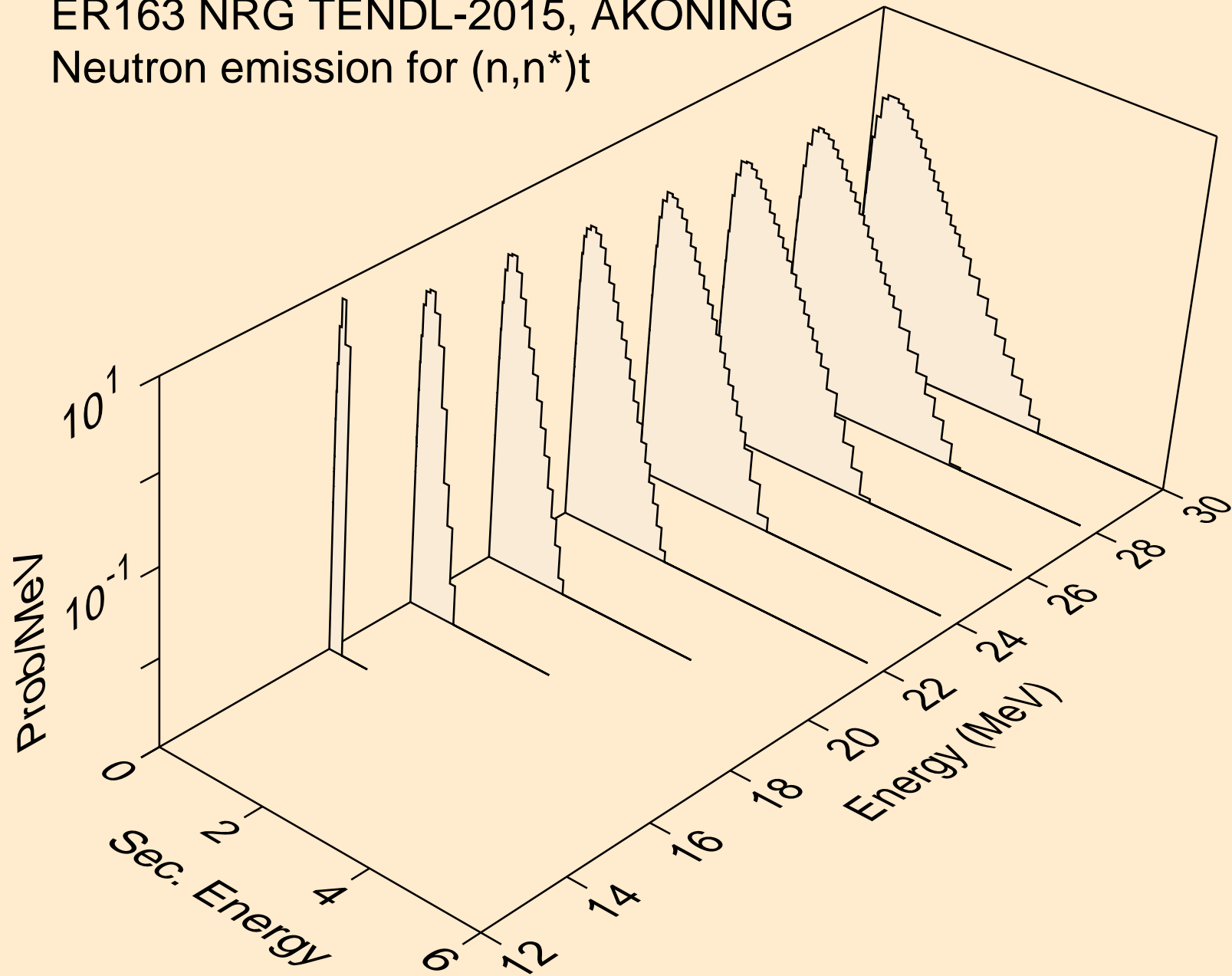
ER163 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)2a



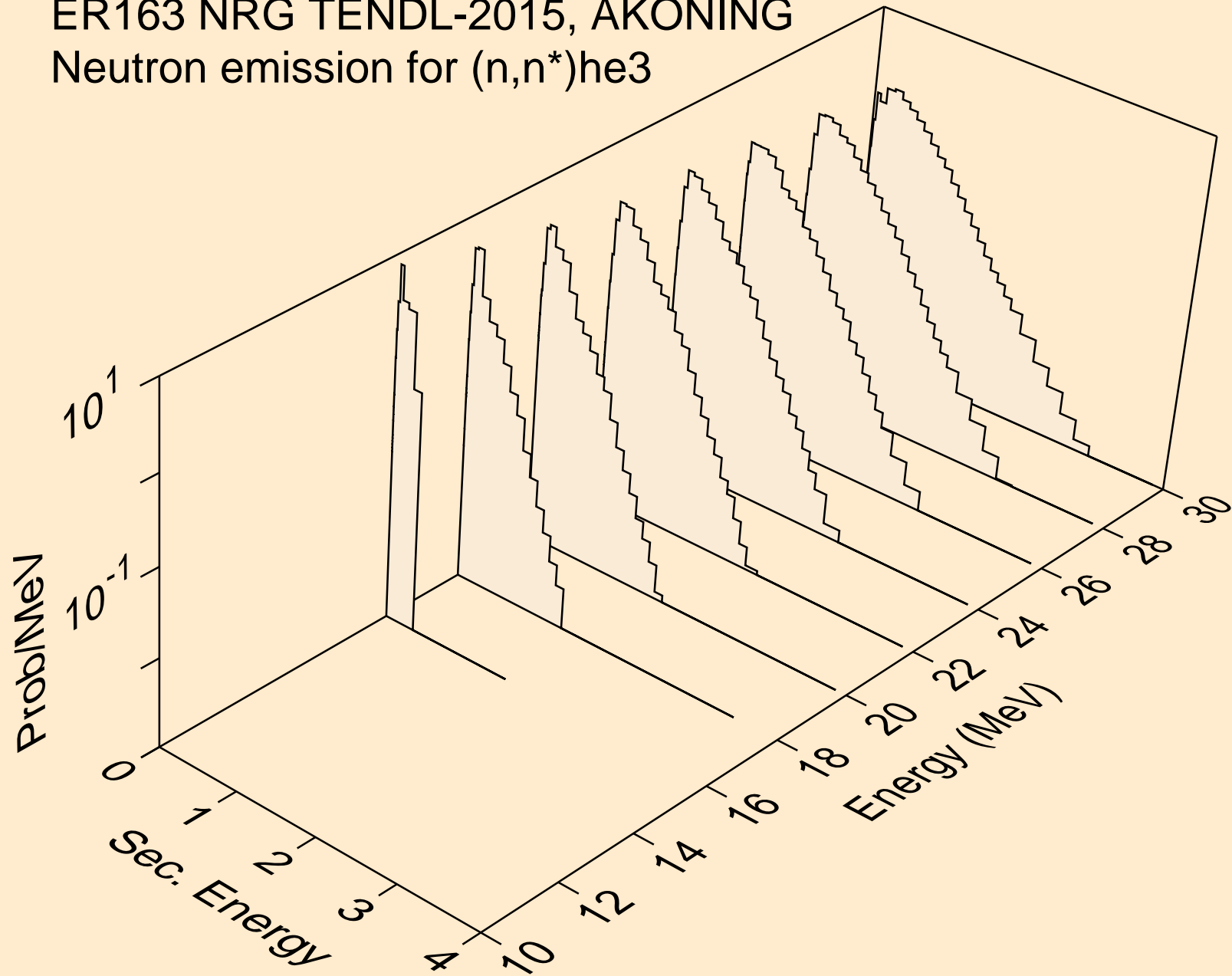
ER163 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d



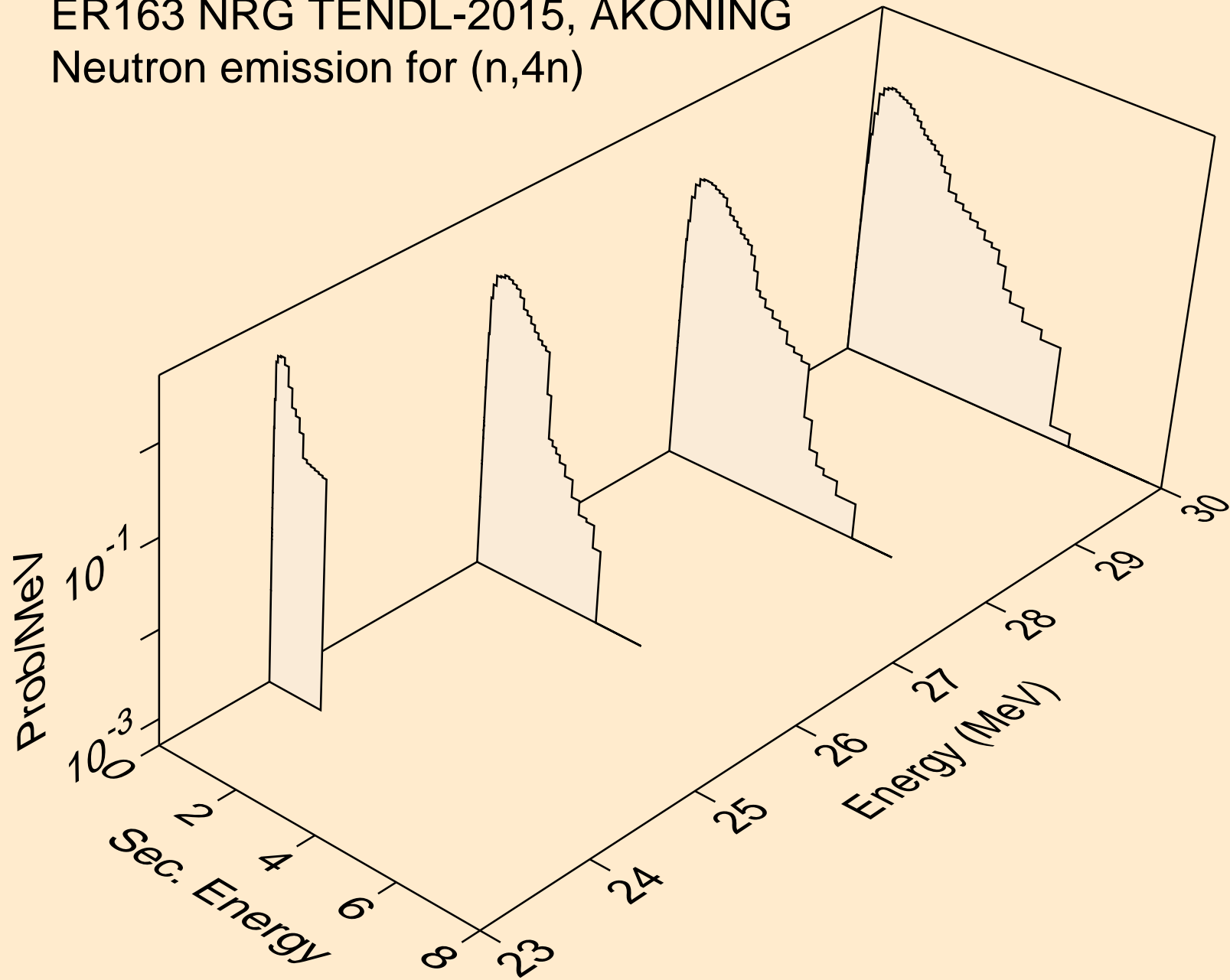
ER163 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



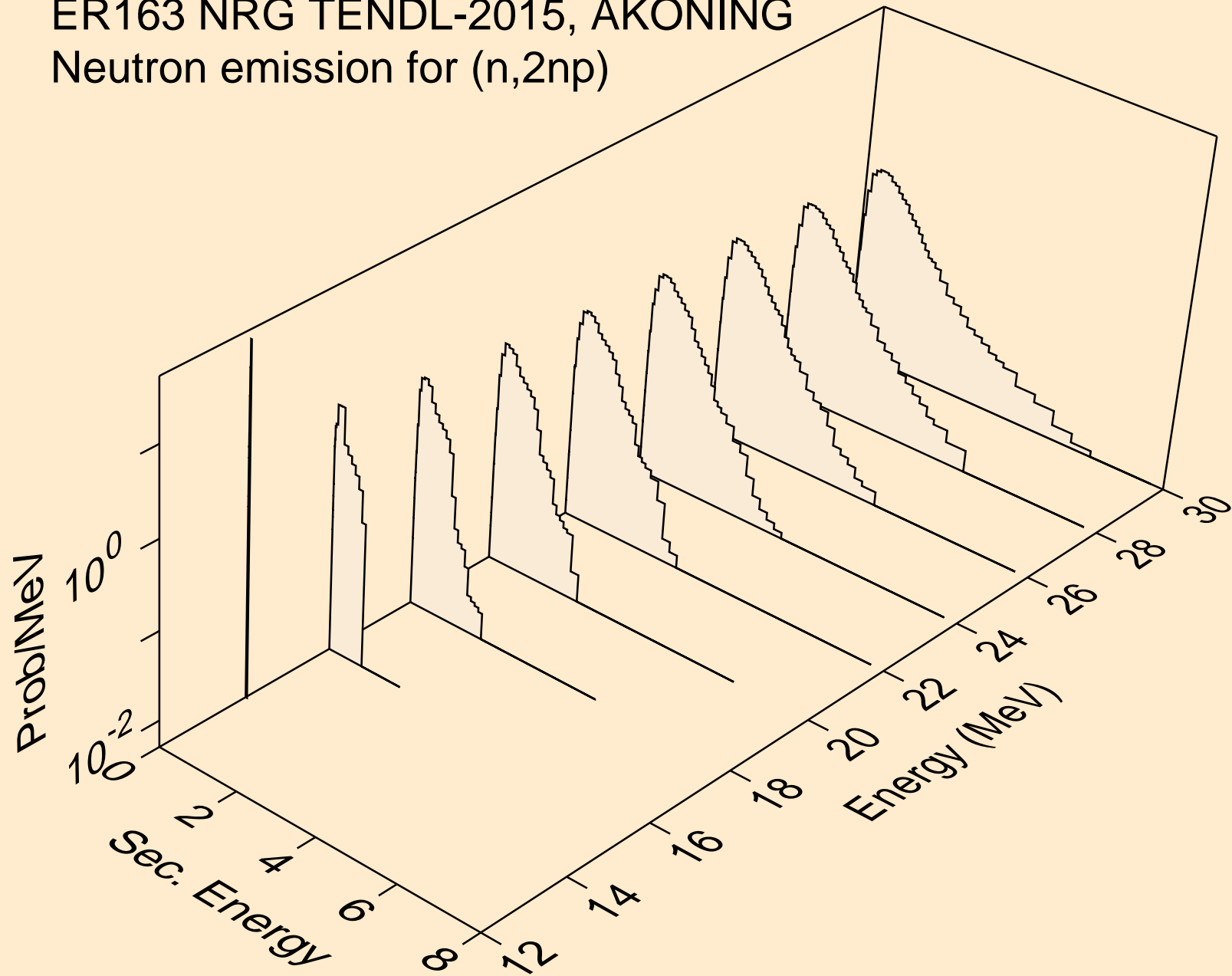
ER163 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



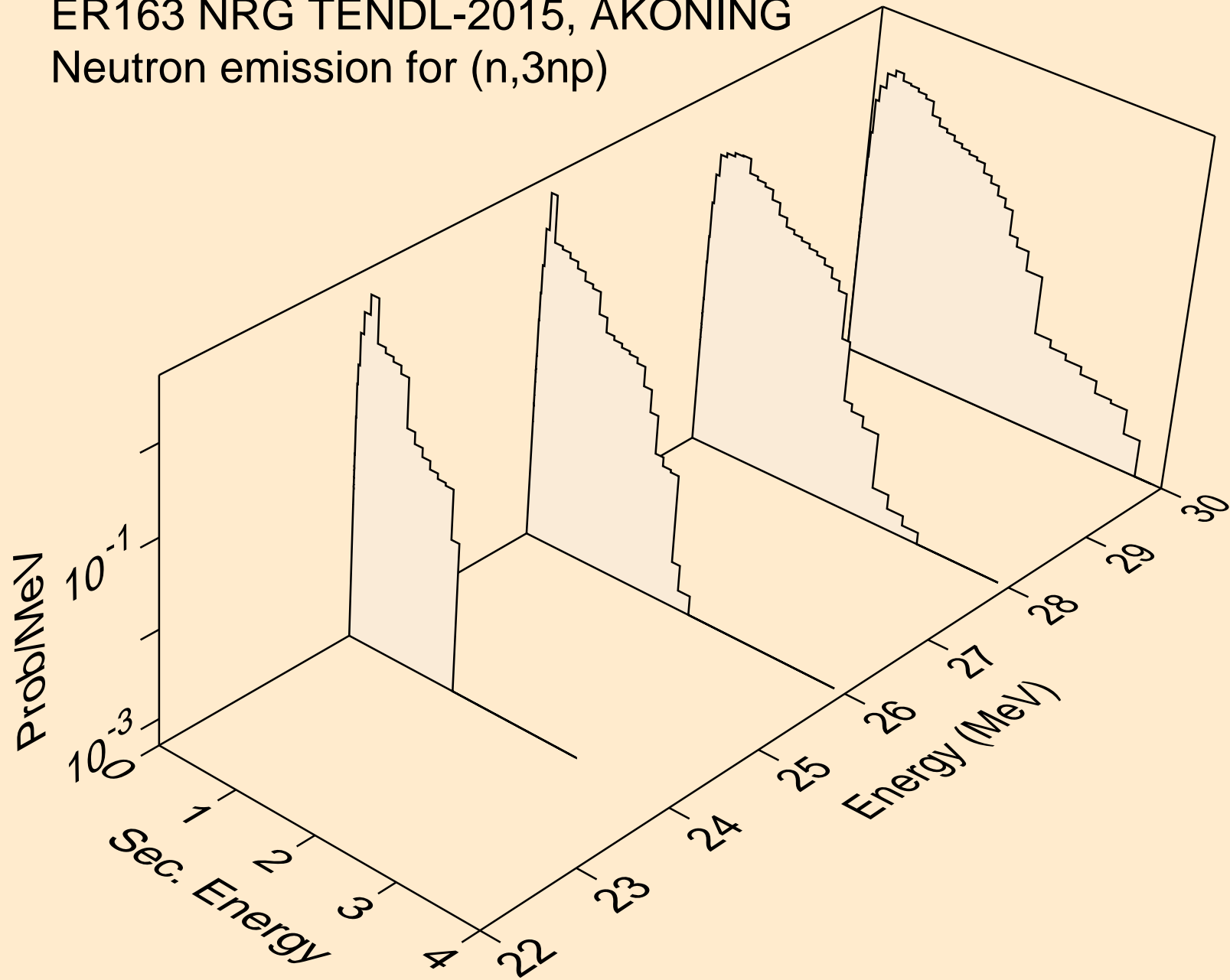
ER163 NRG TENDL-2015, AKONING  
Neutron emission for (n,4n)



ER163 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)

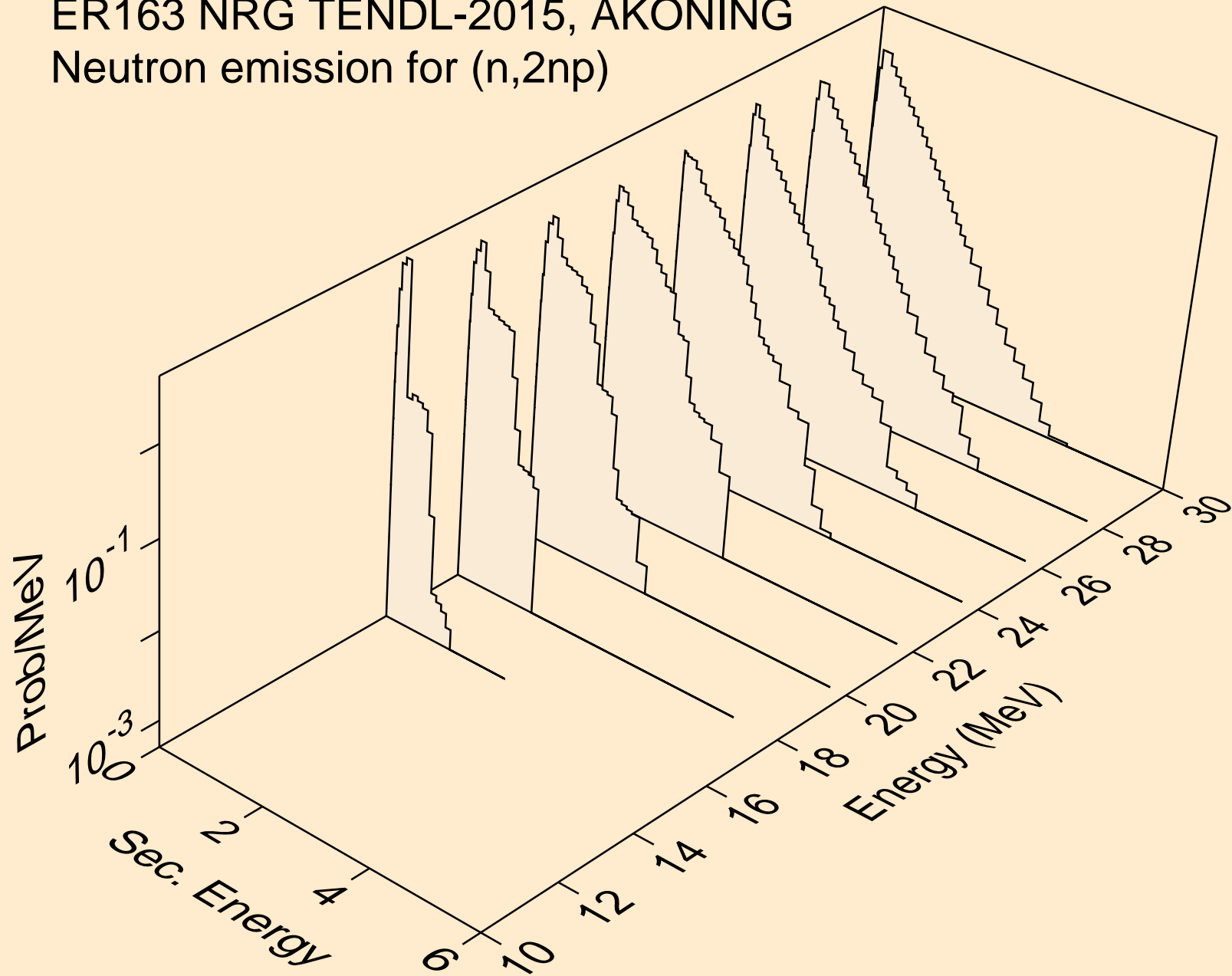


ER163 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)

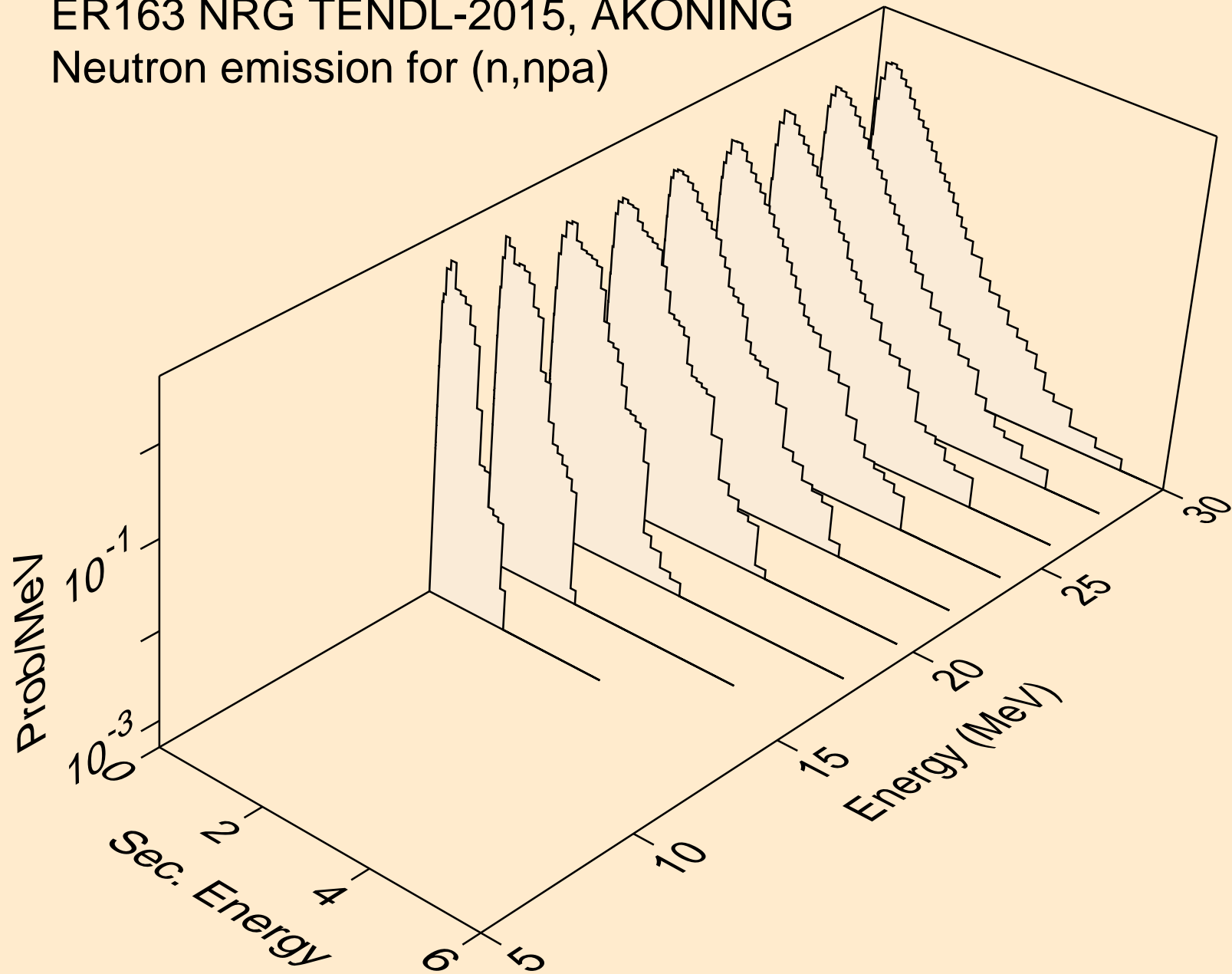




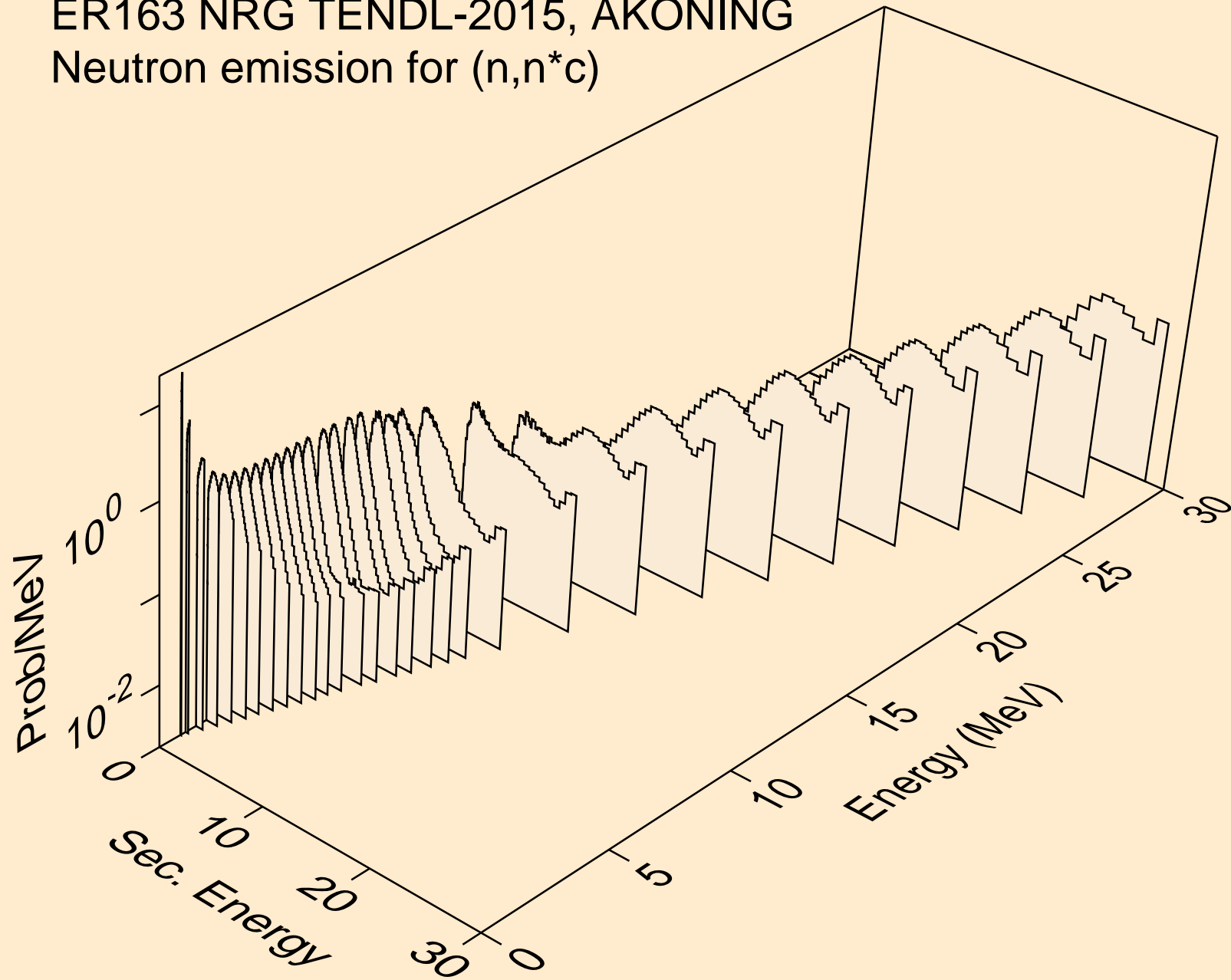
ER163 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



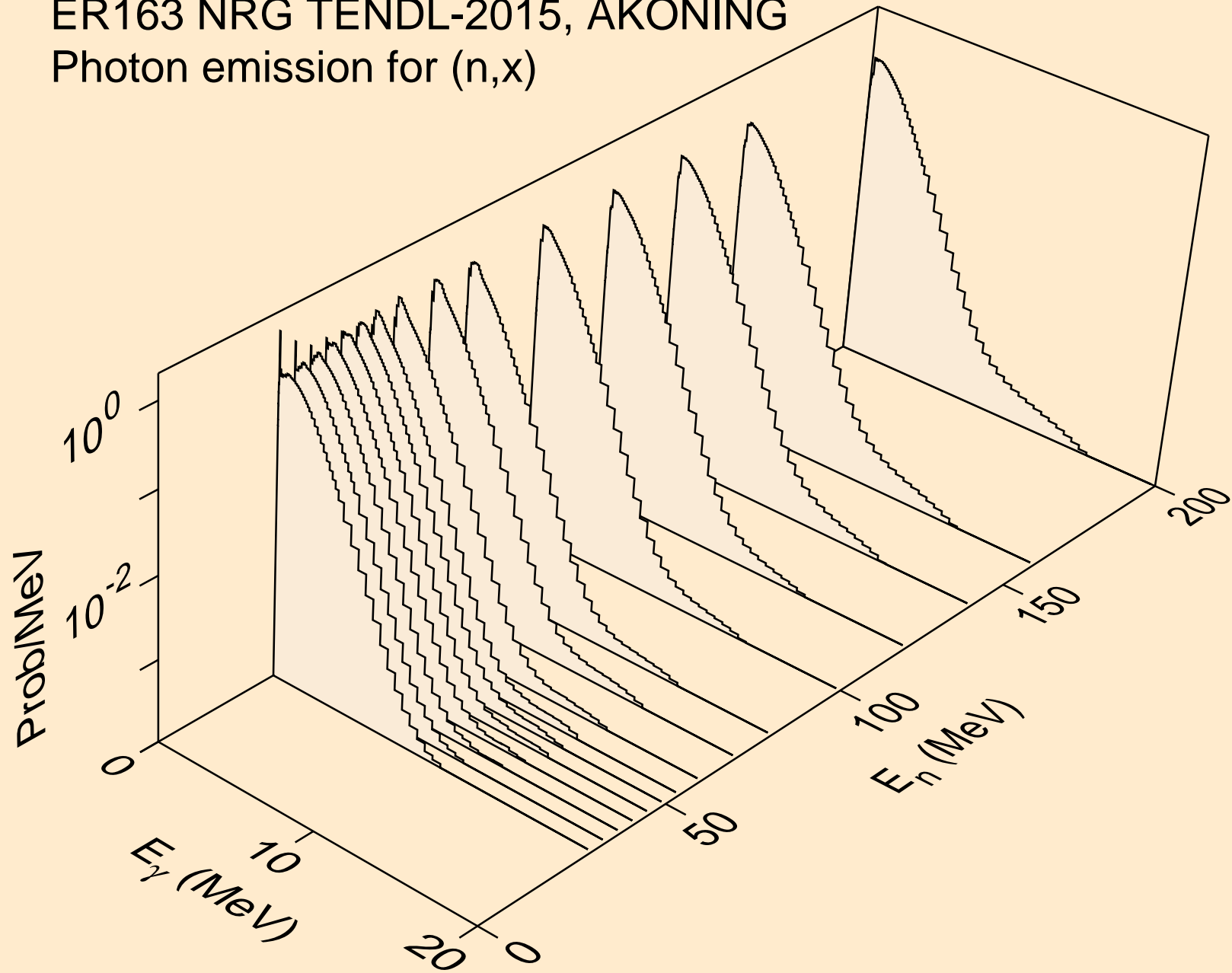
ER163 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



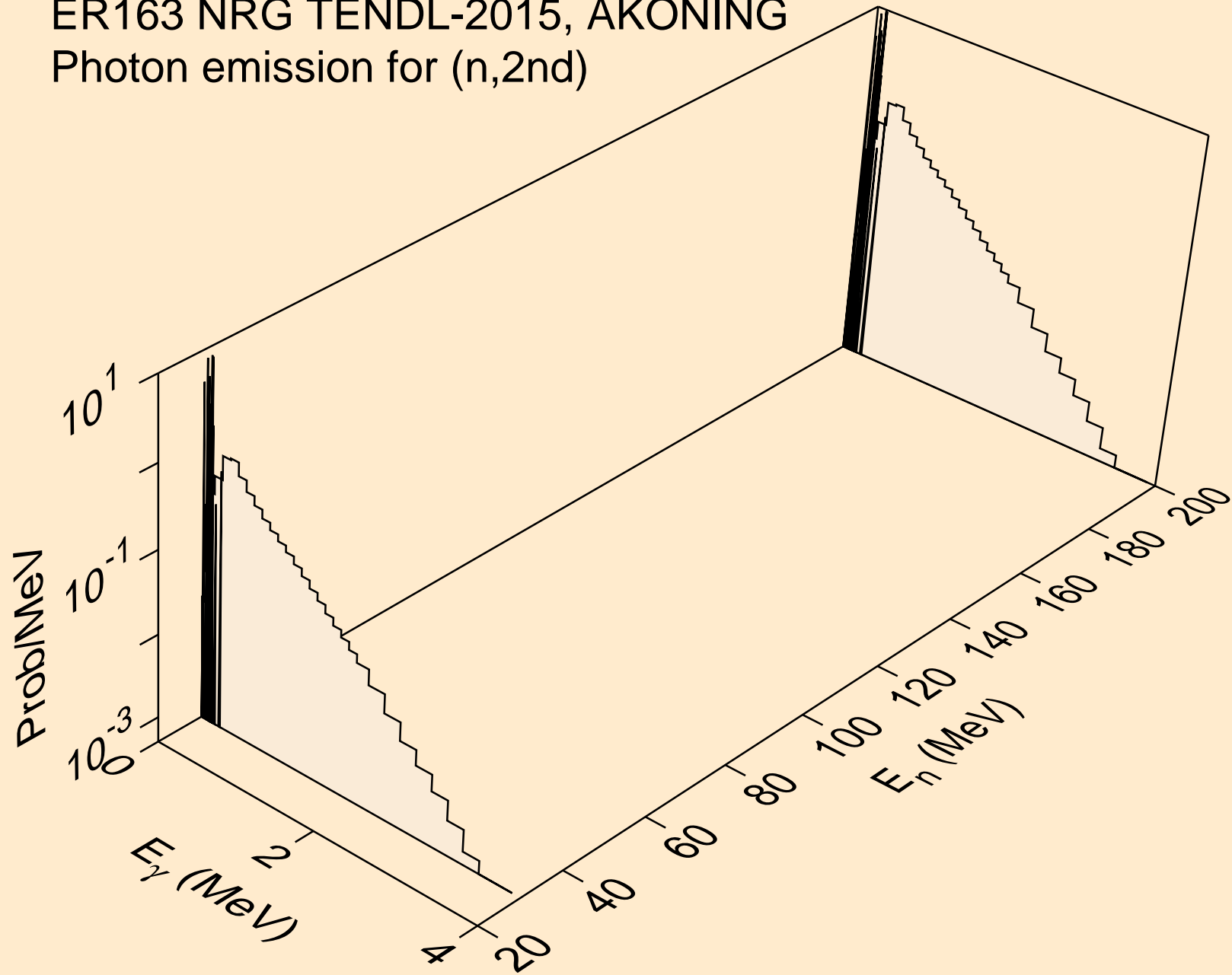
ER163 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



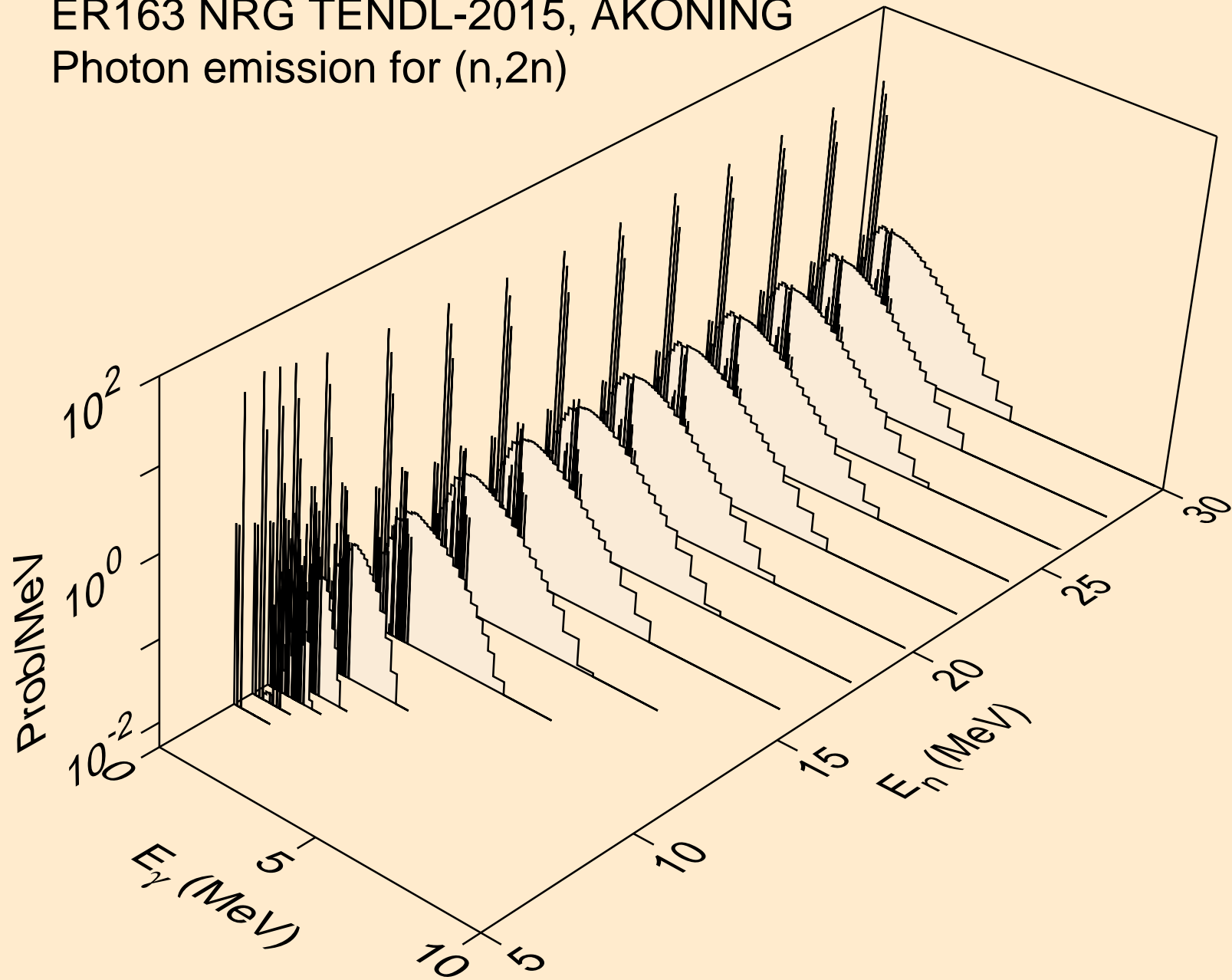
ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



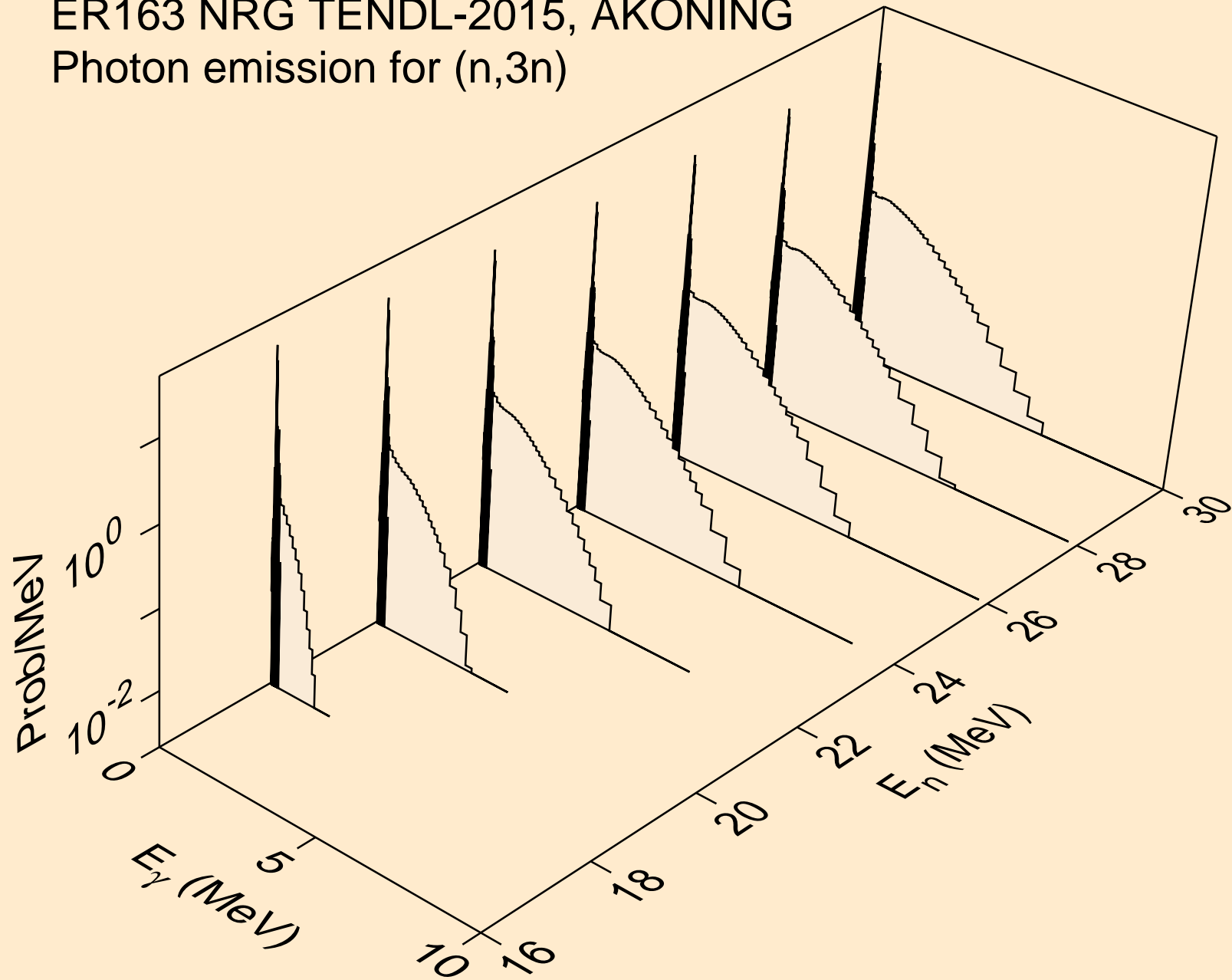
ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



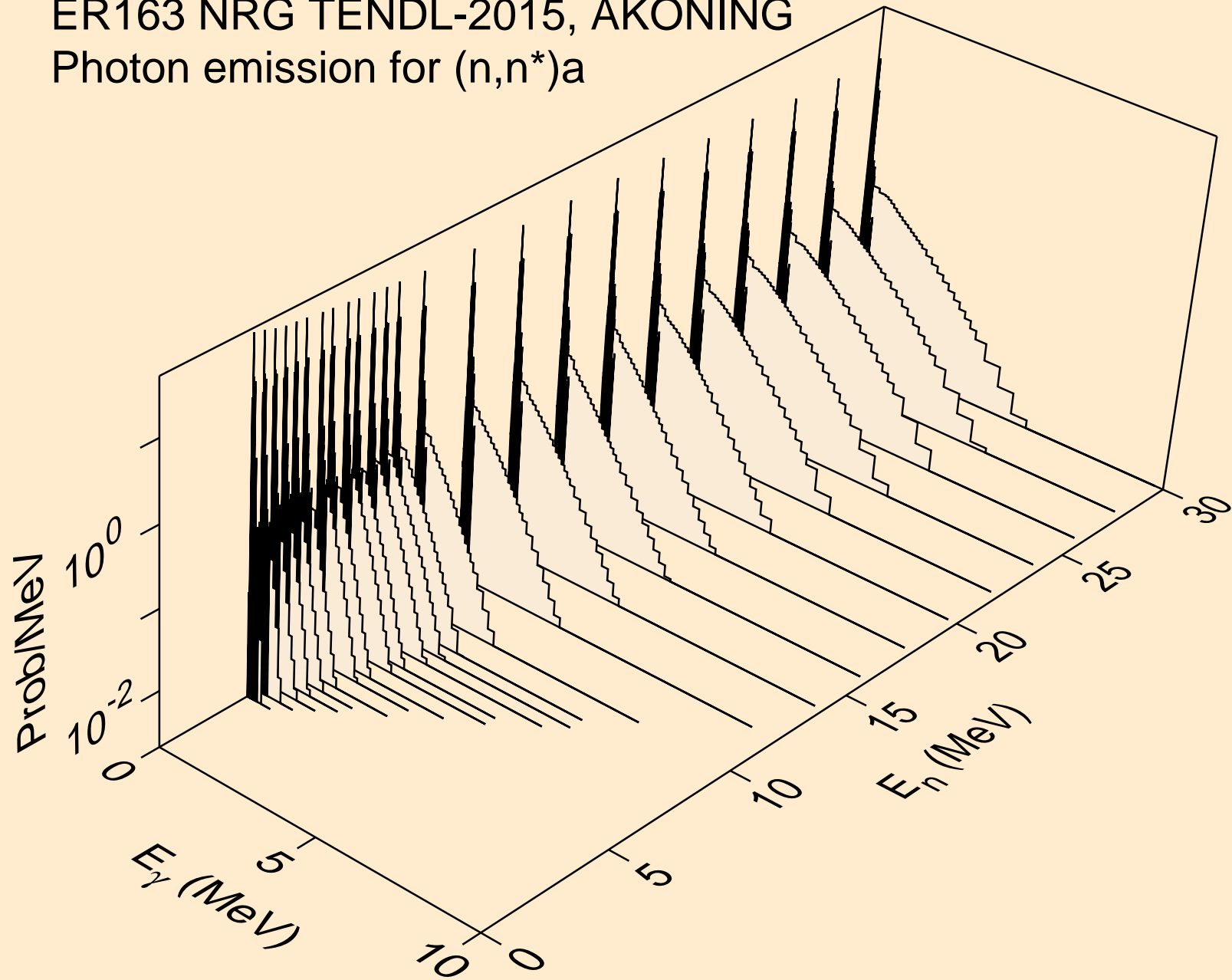
ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)

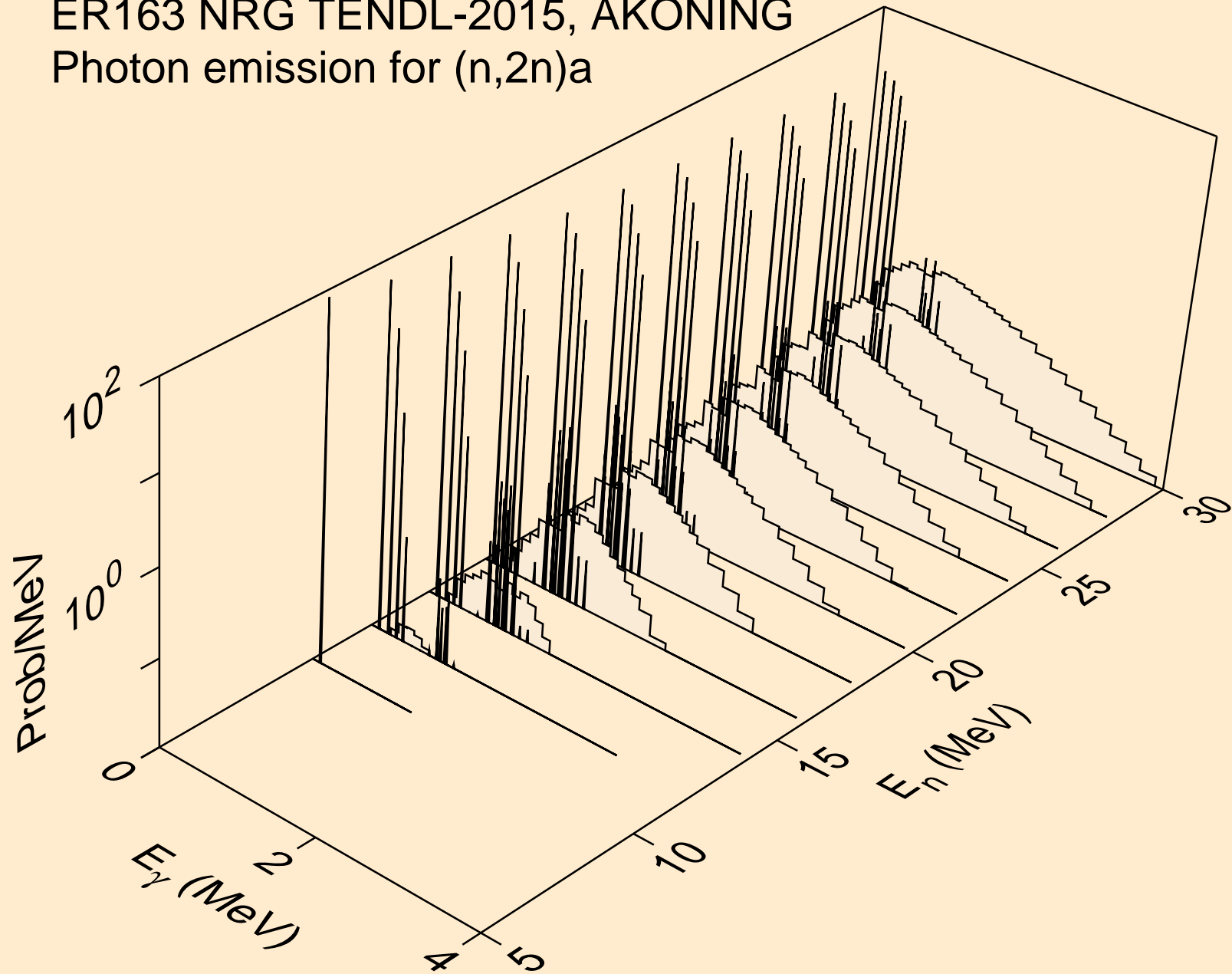


ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a

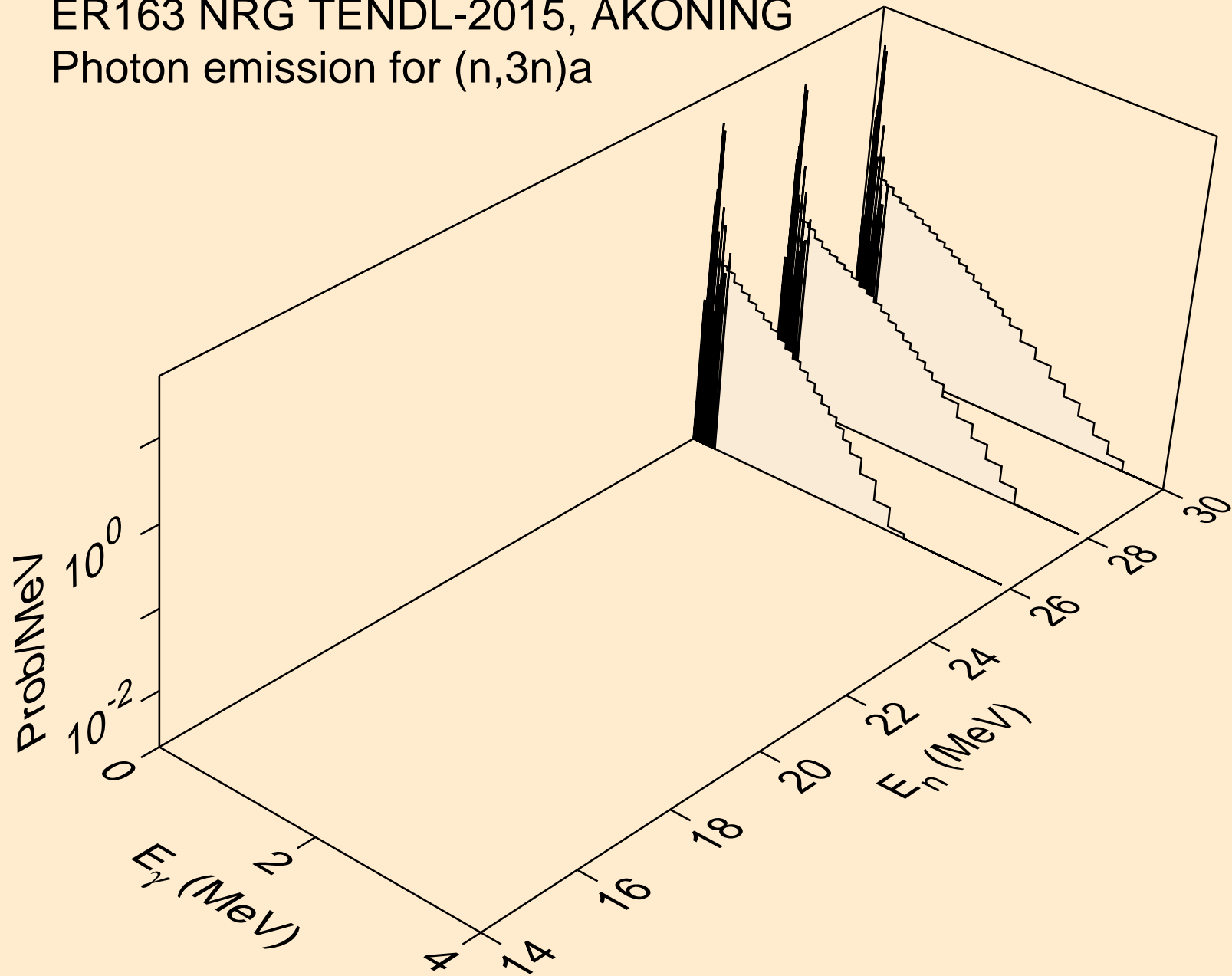




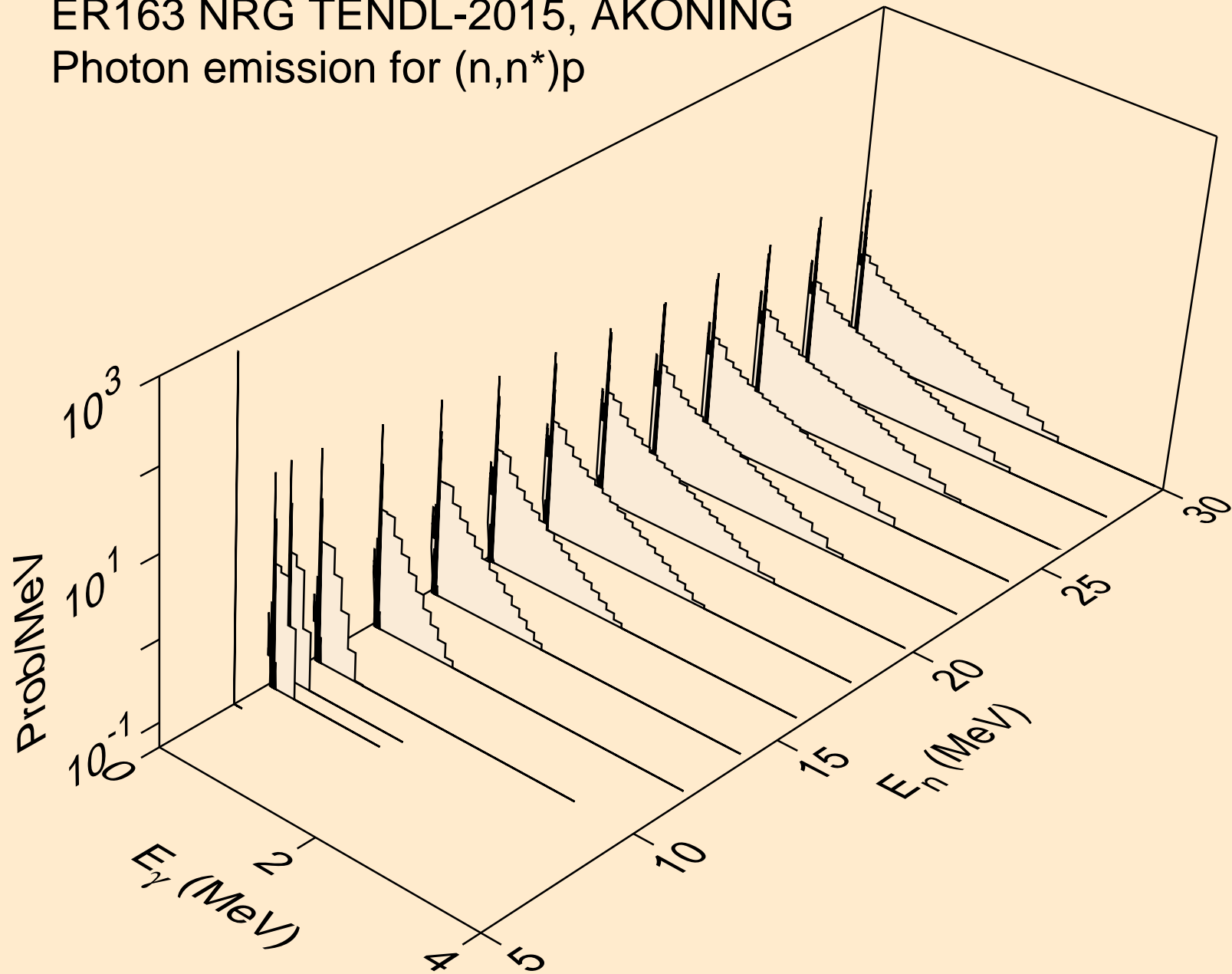
ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a

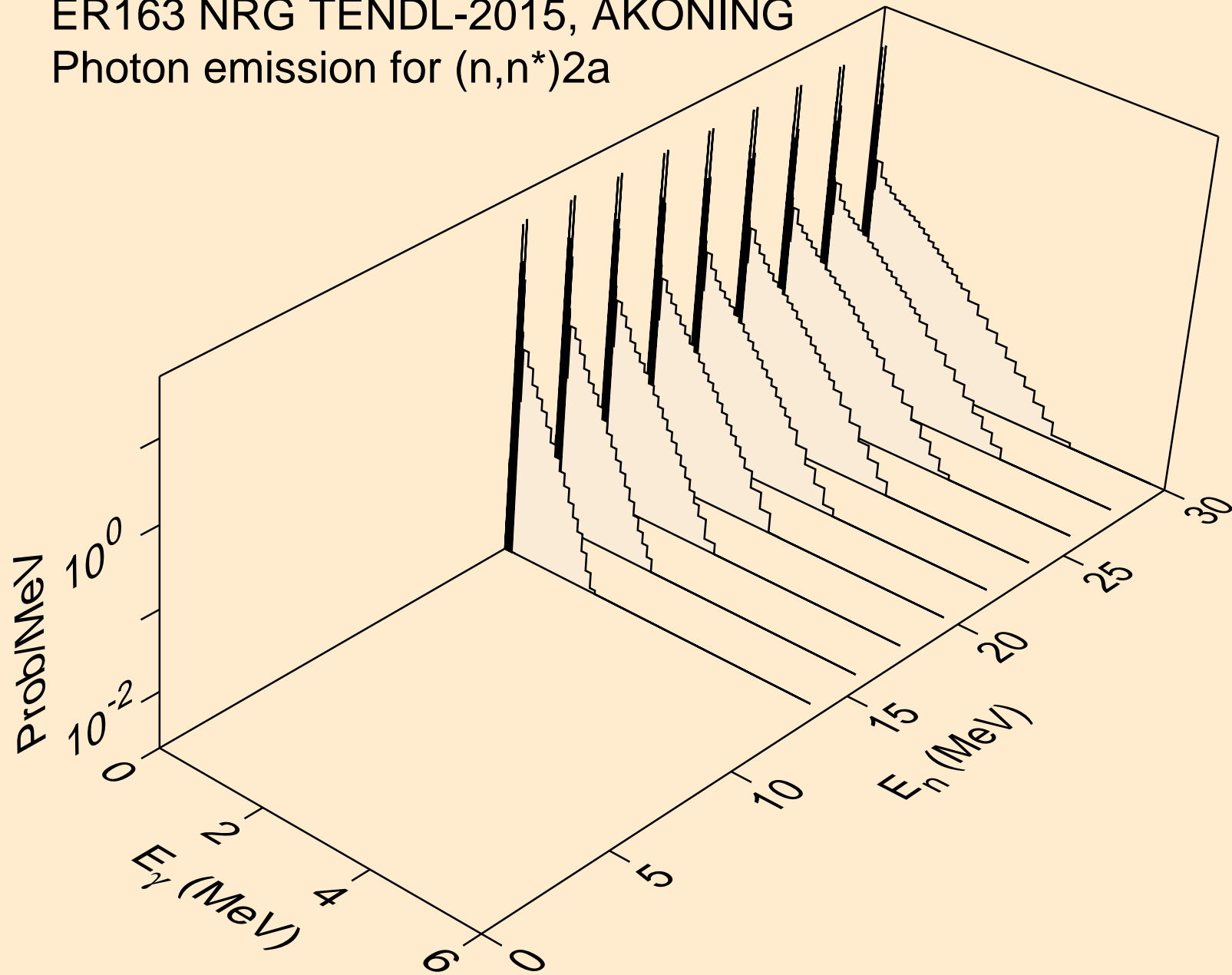


ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p

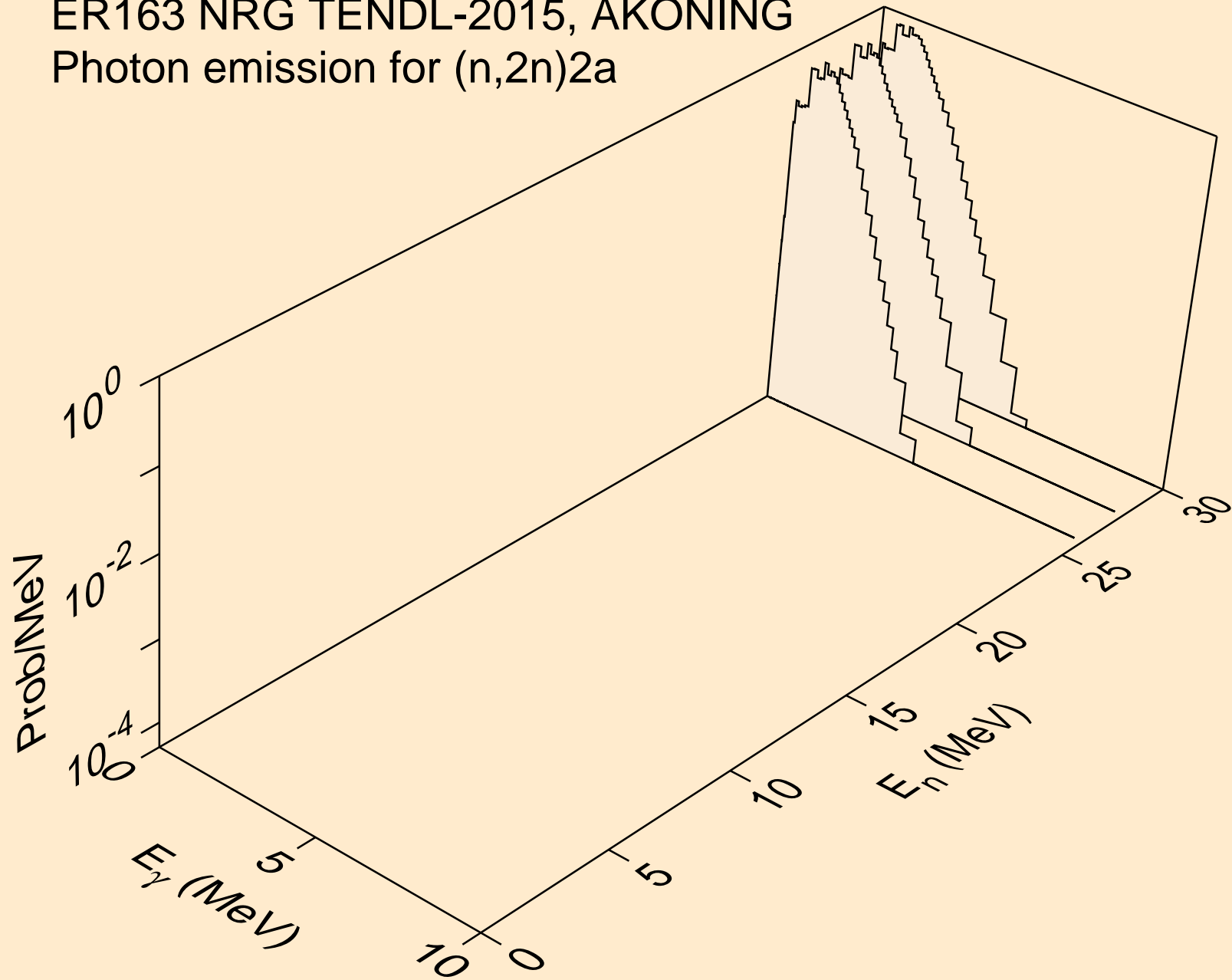


ER163 NRG TENDL-2015, AKONING

Photon emission for (n,n\*)2a

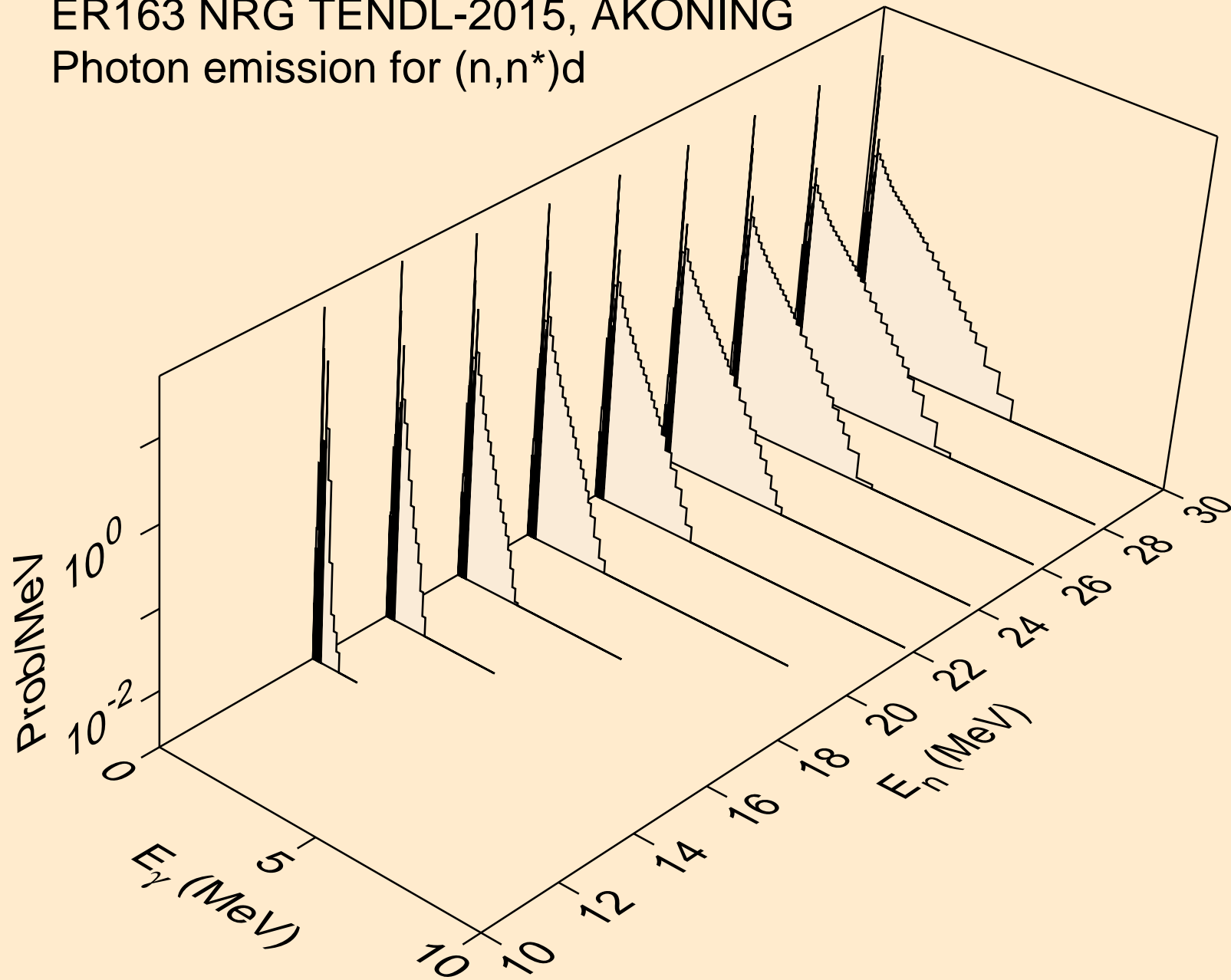


ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a

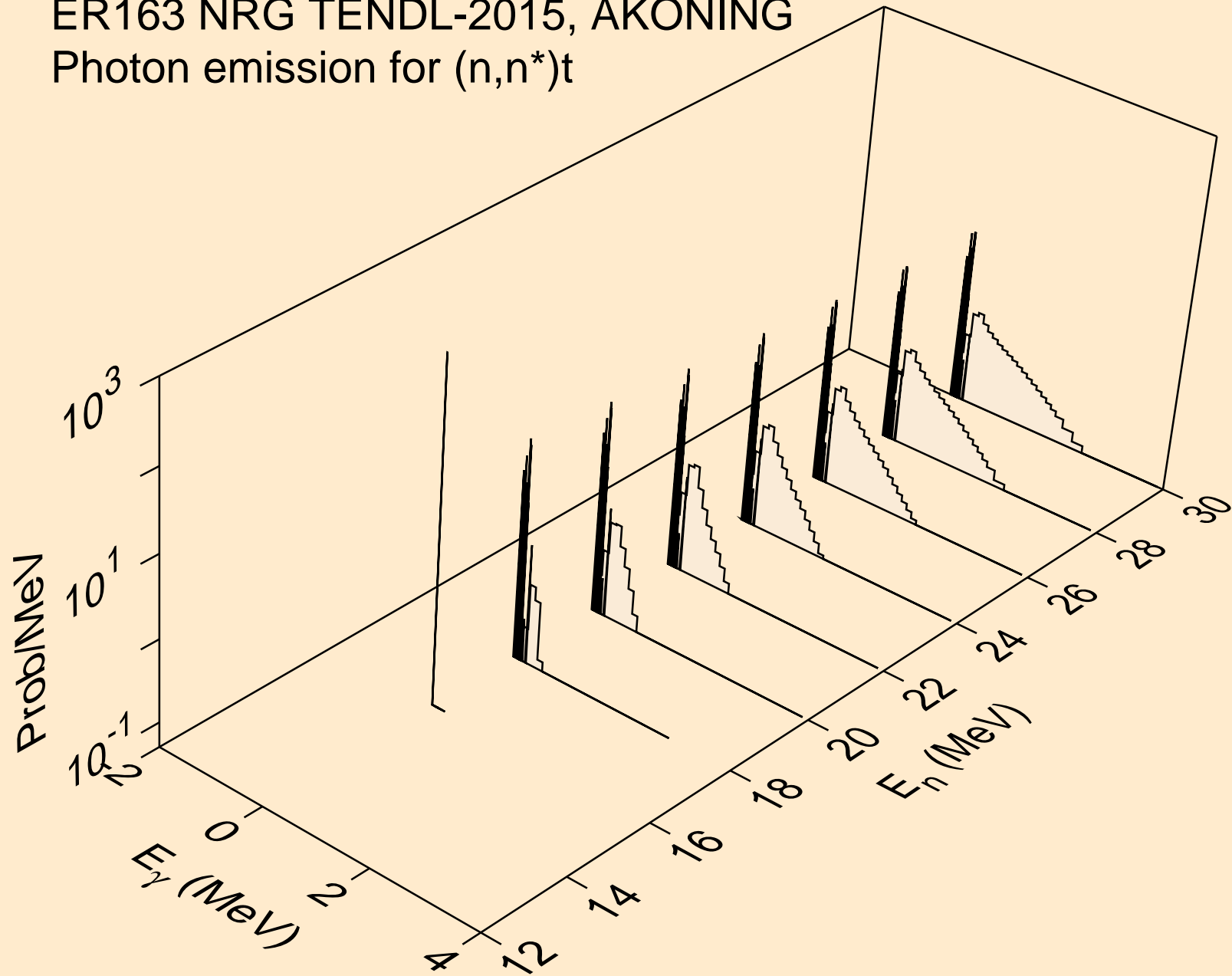


ER163 NRG TENDL-2015, AKONING

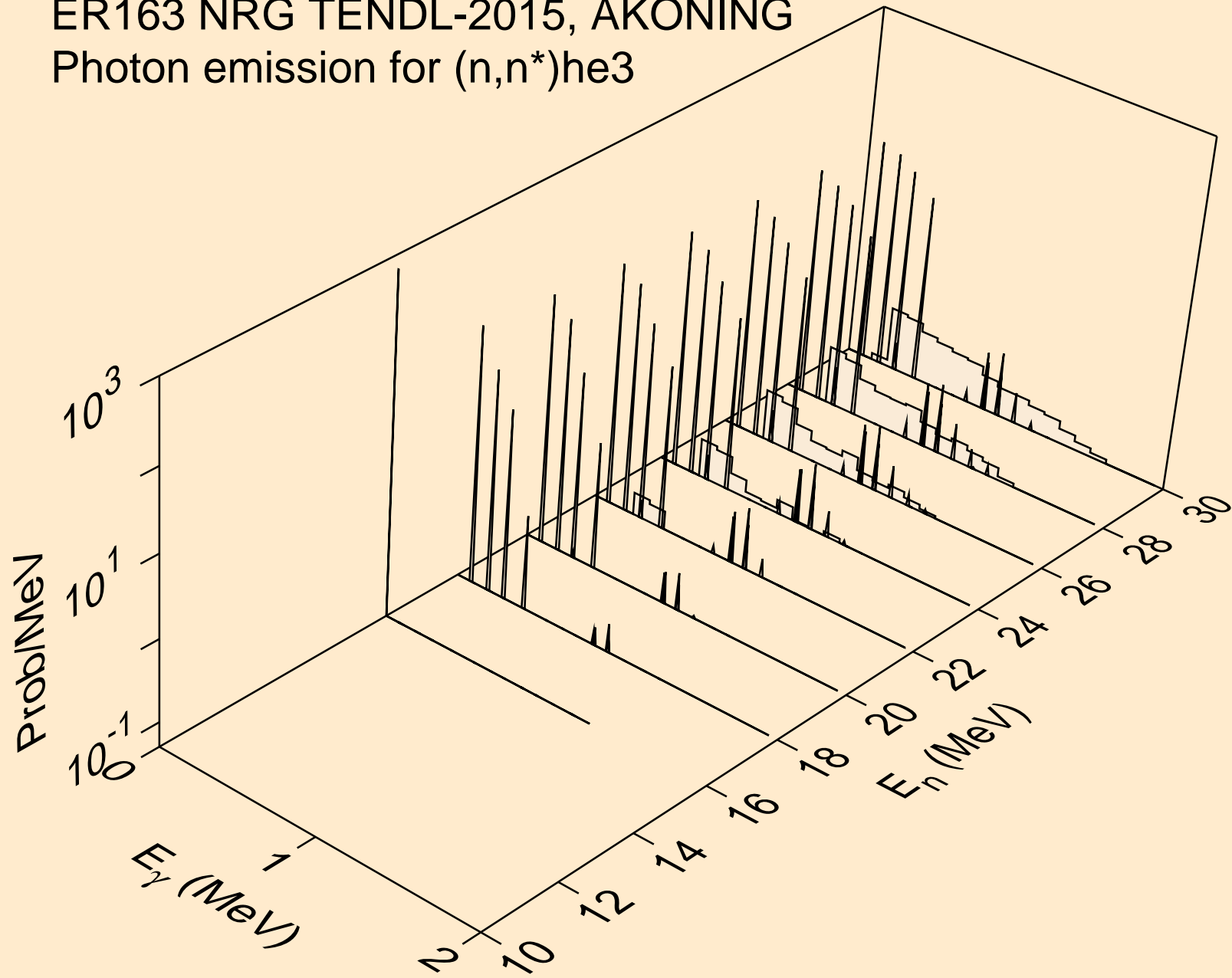
Photon emission for (n,n\*)d



ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t

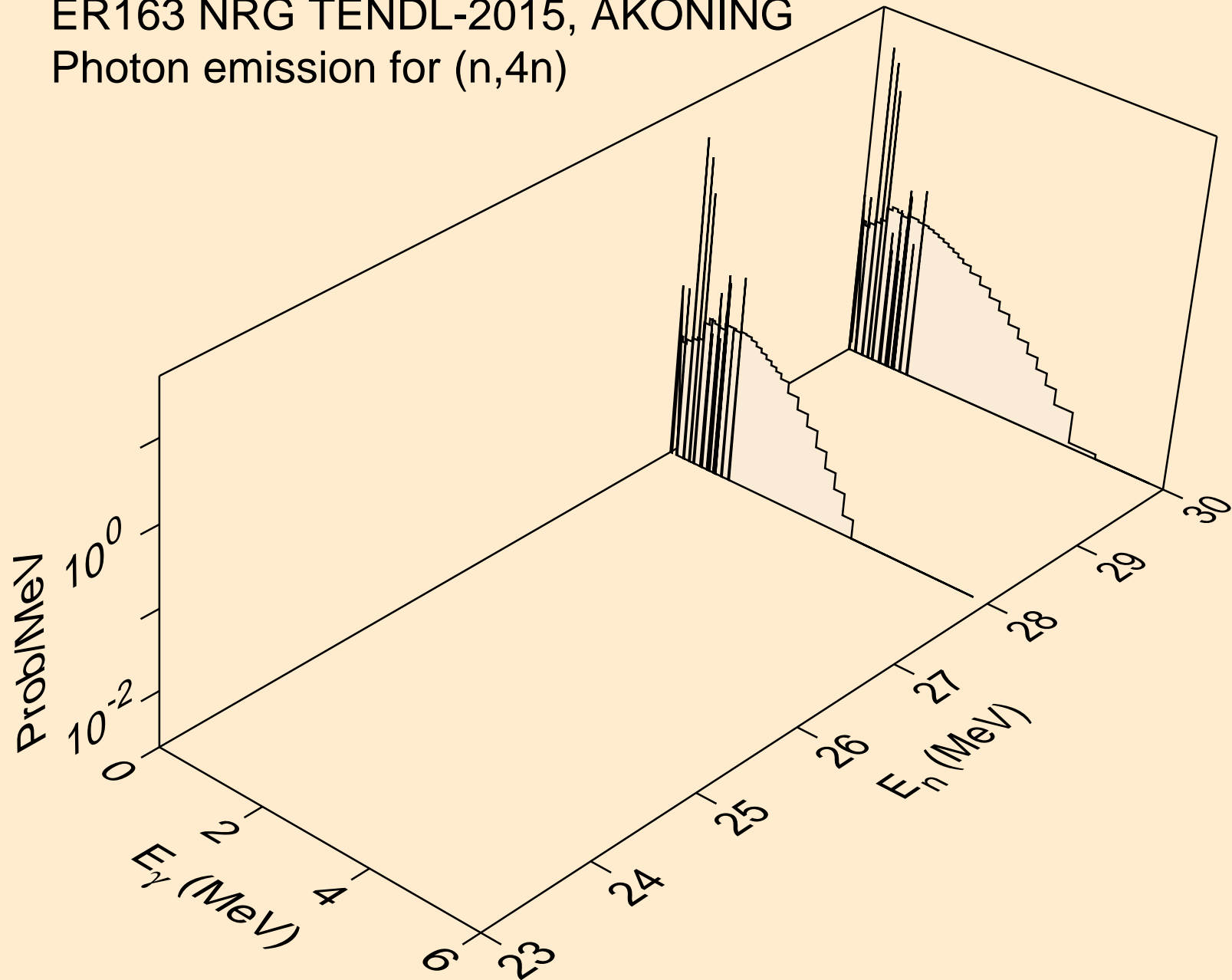


ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3

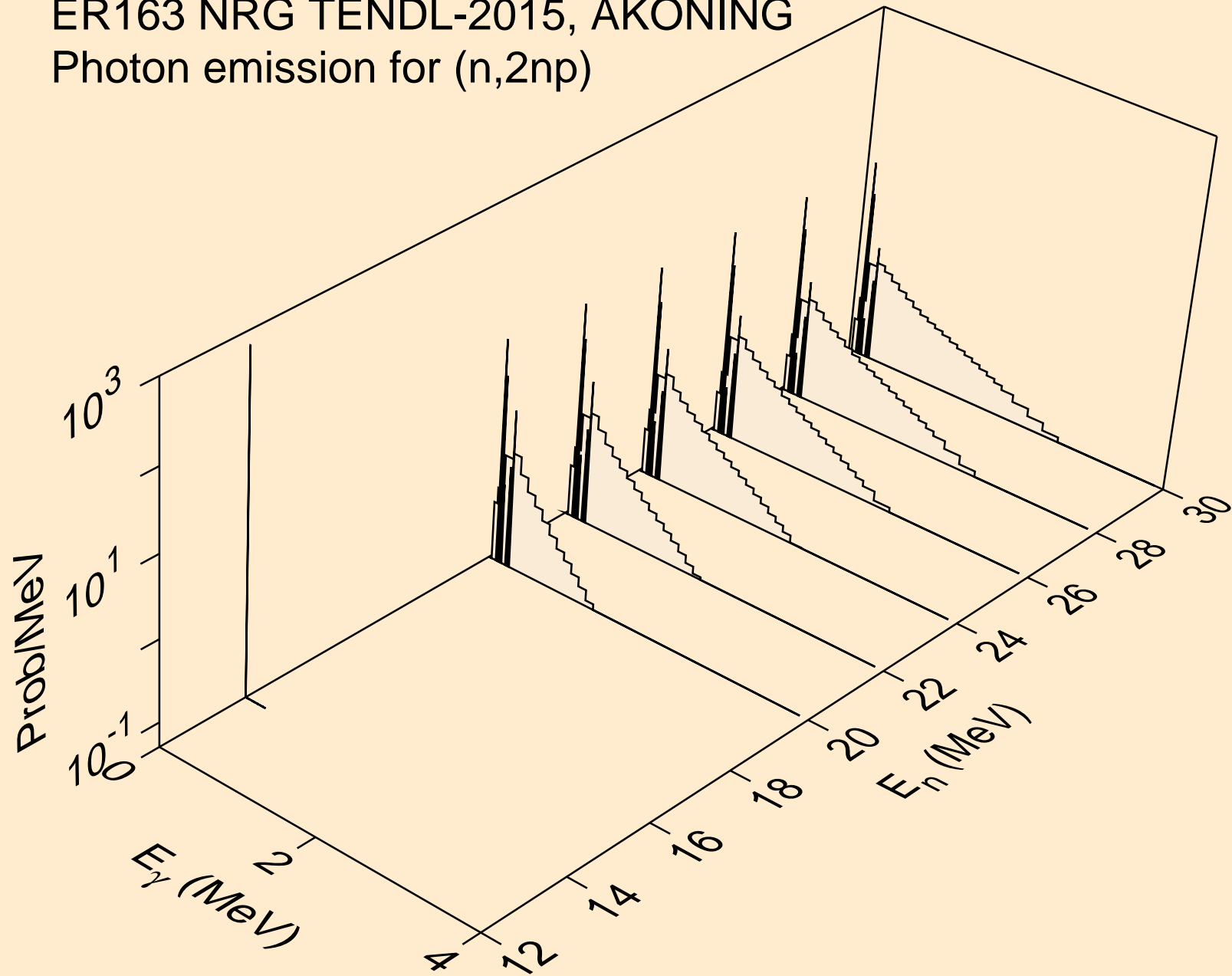




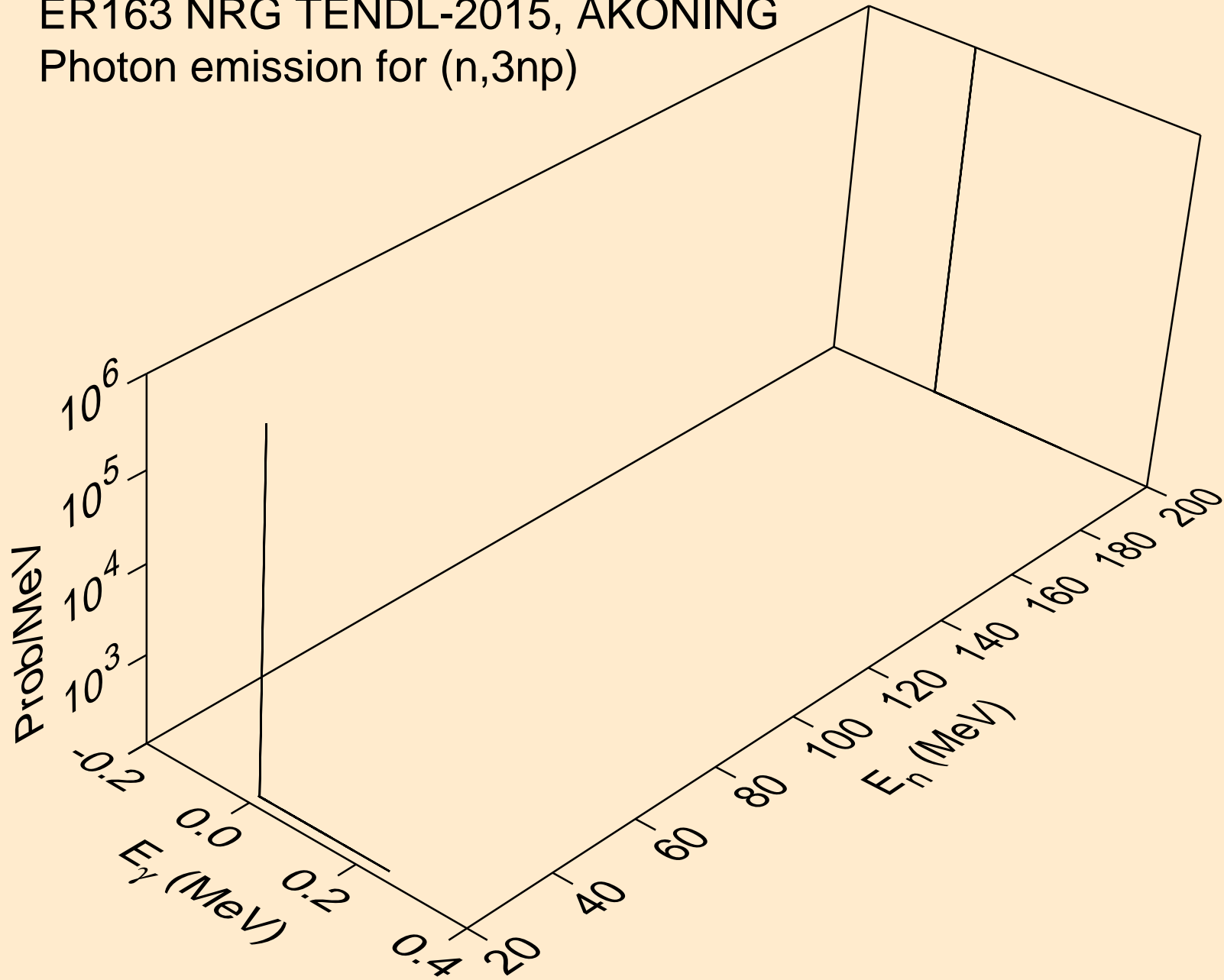
ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,4n)



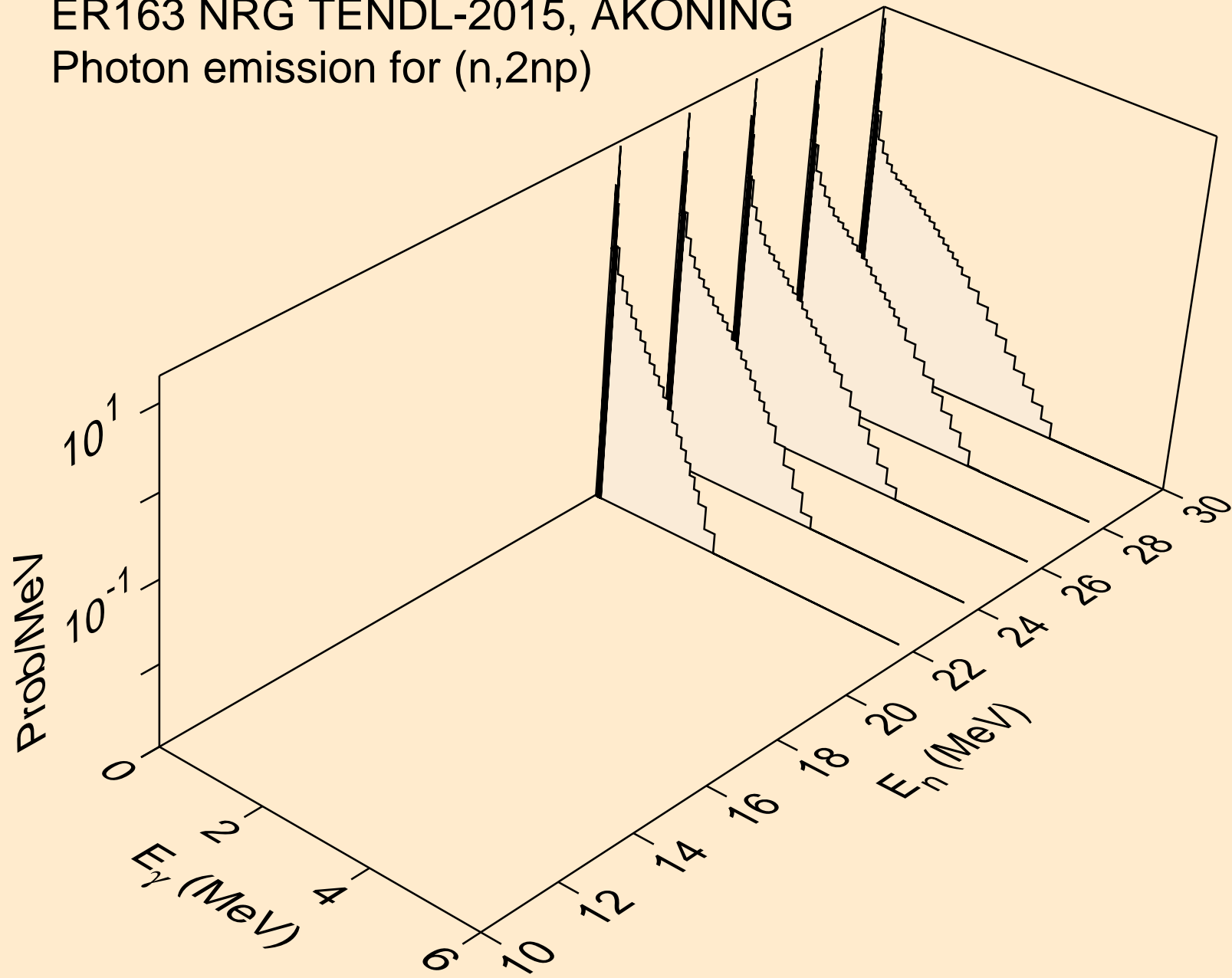
ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



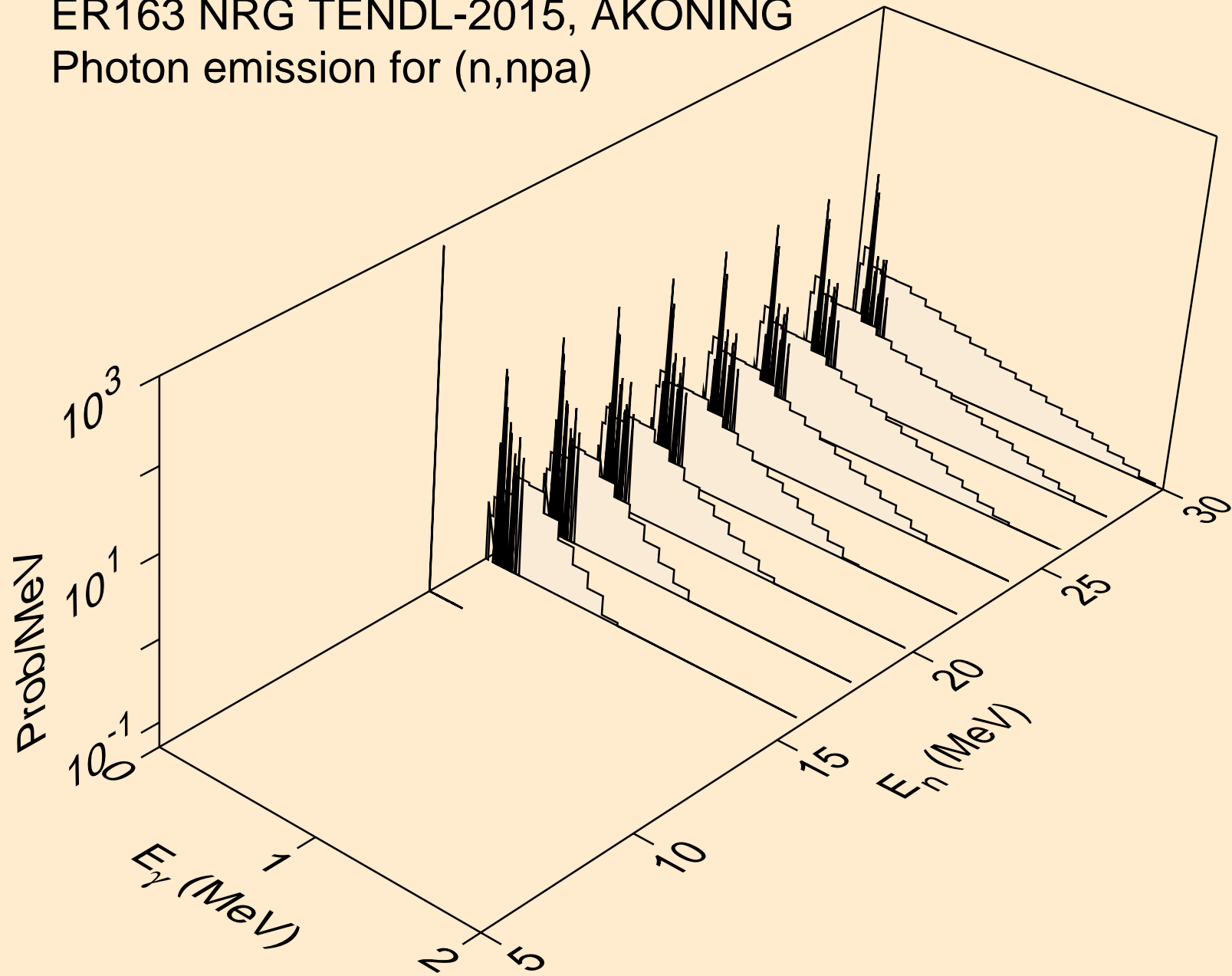
ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



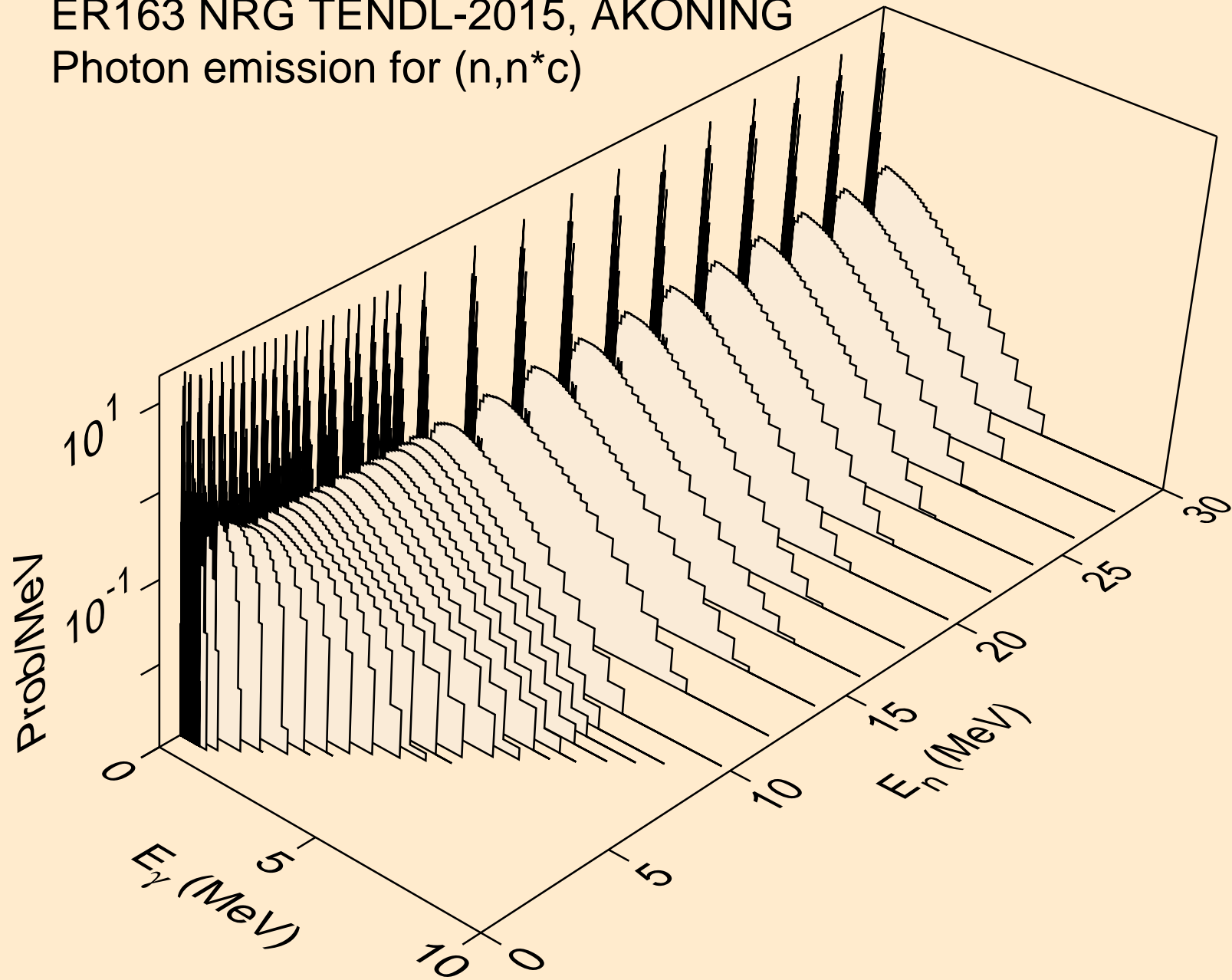
ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



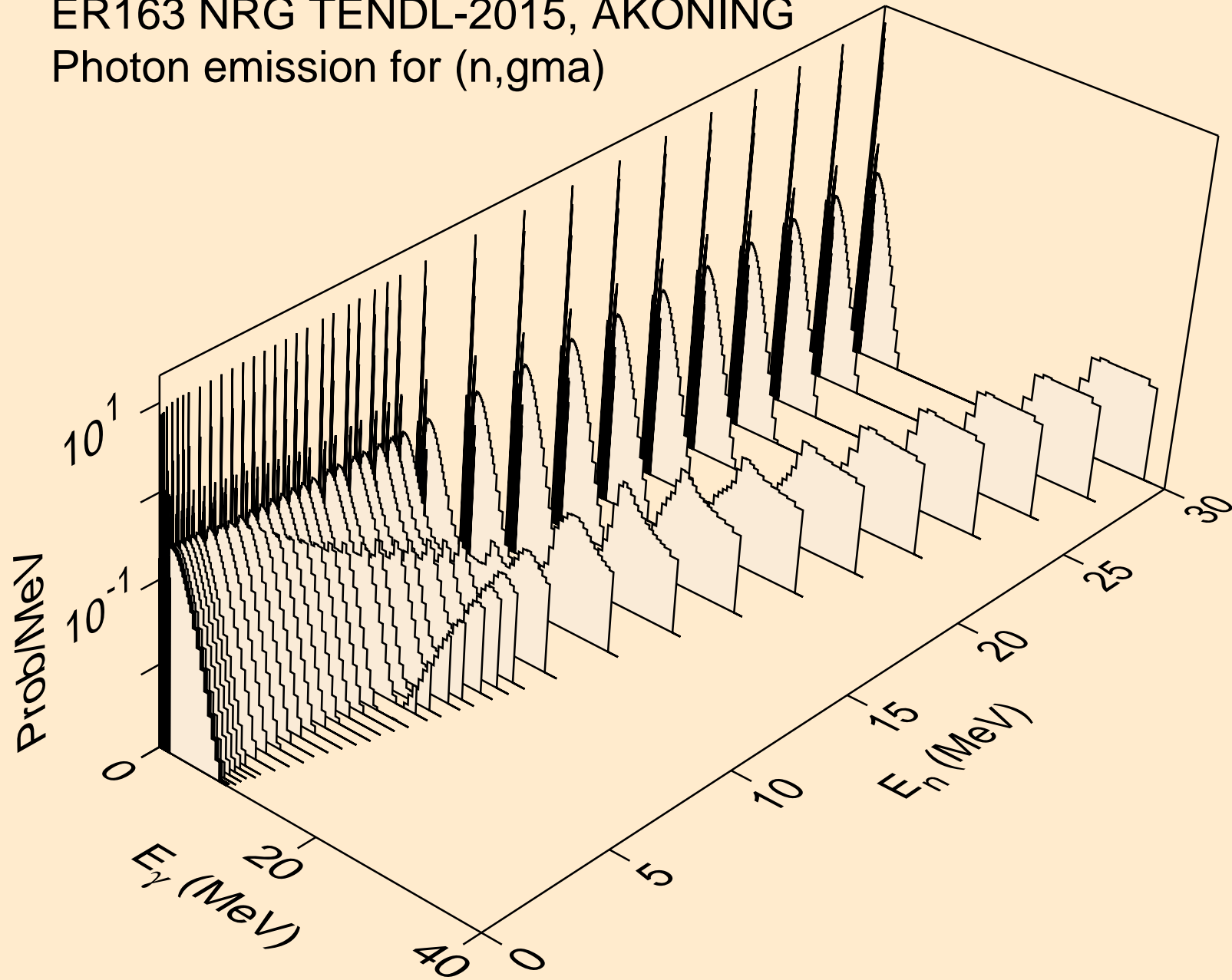
ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



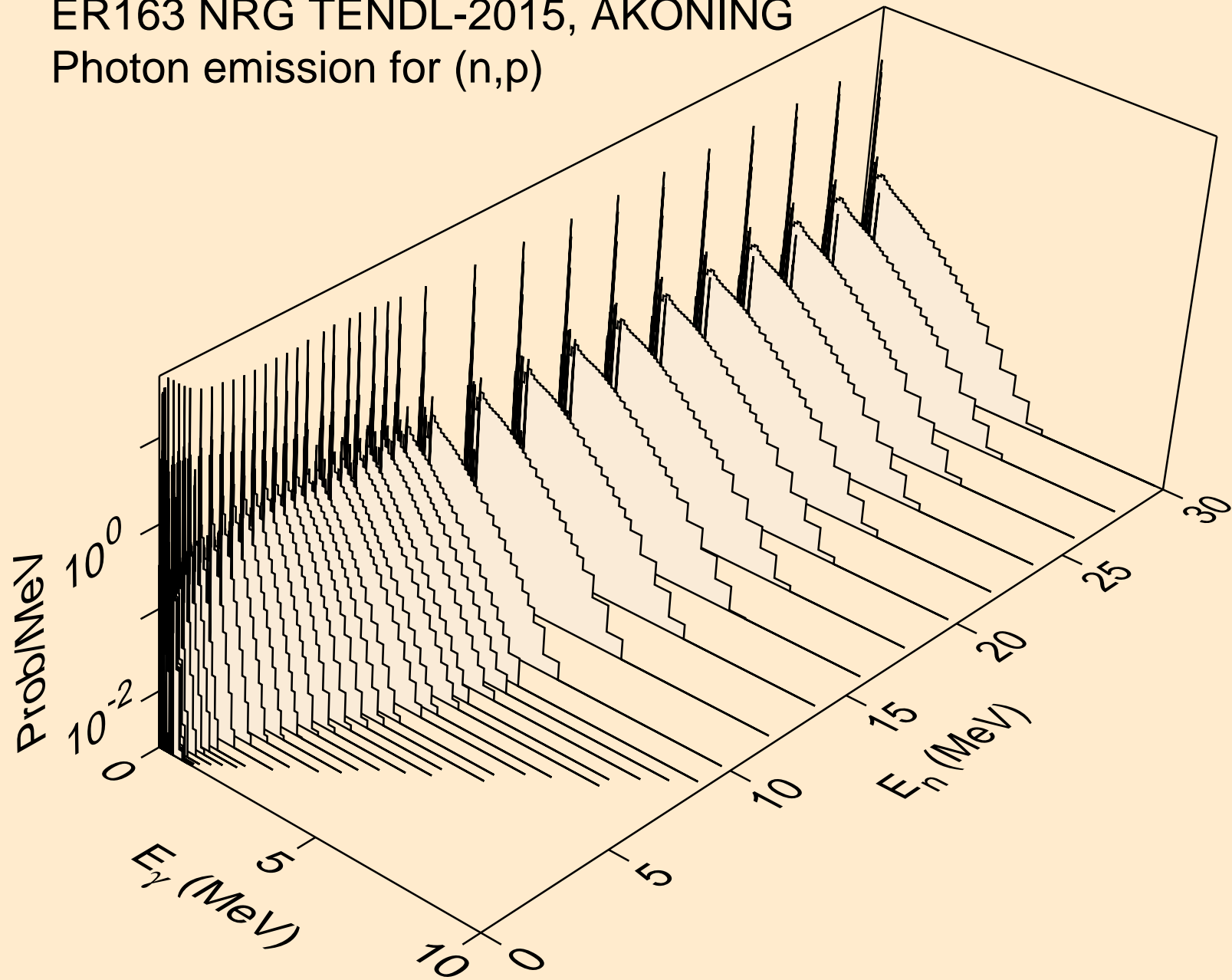
ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)

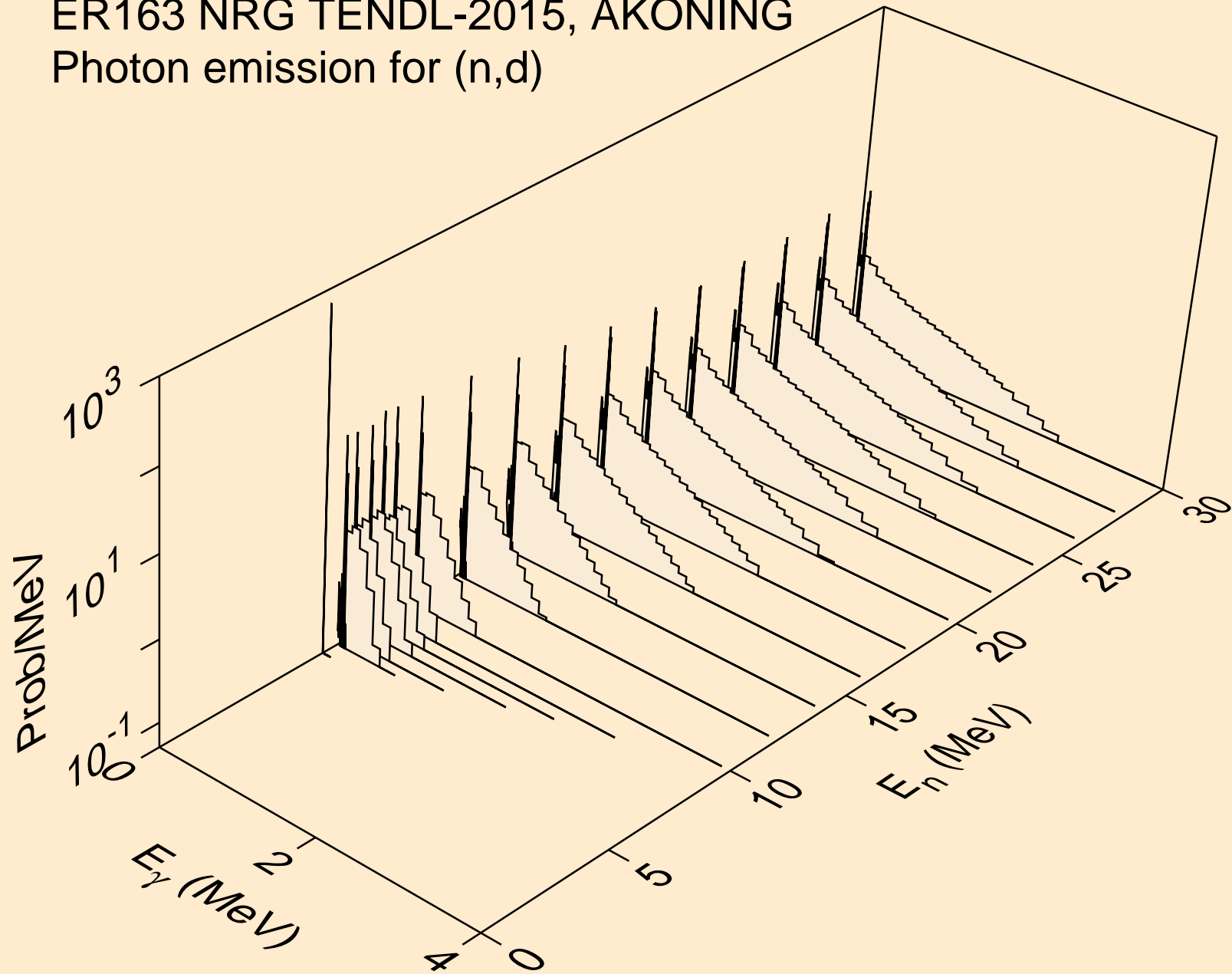


ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,p)

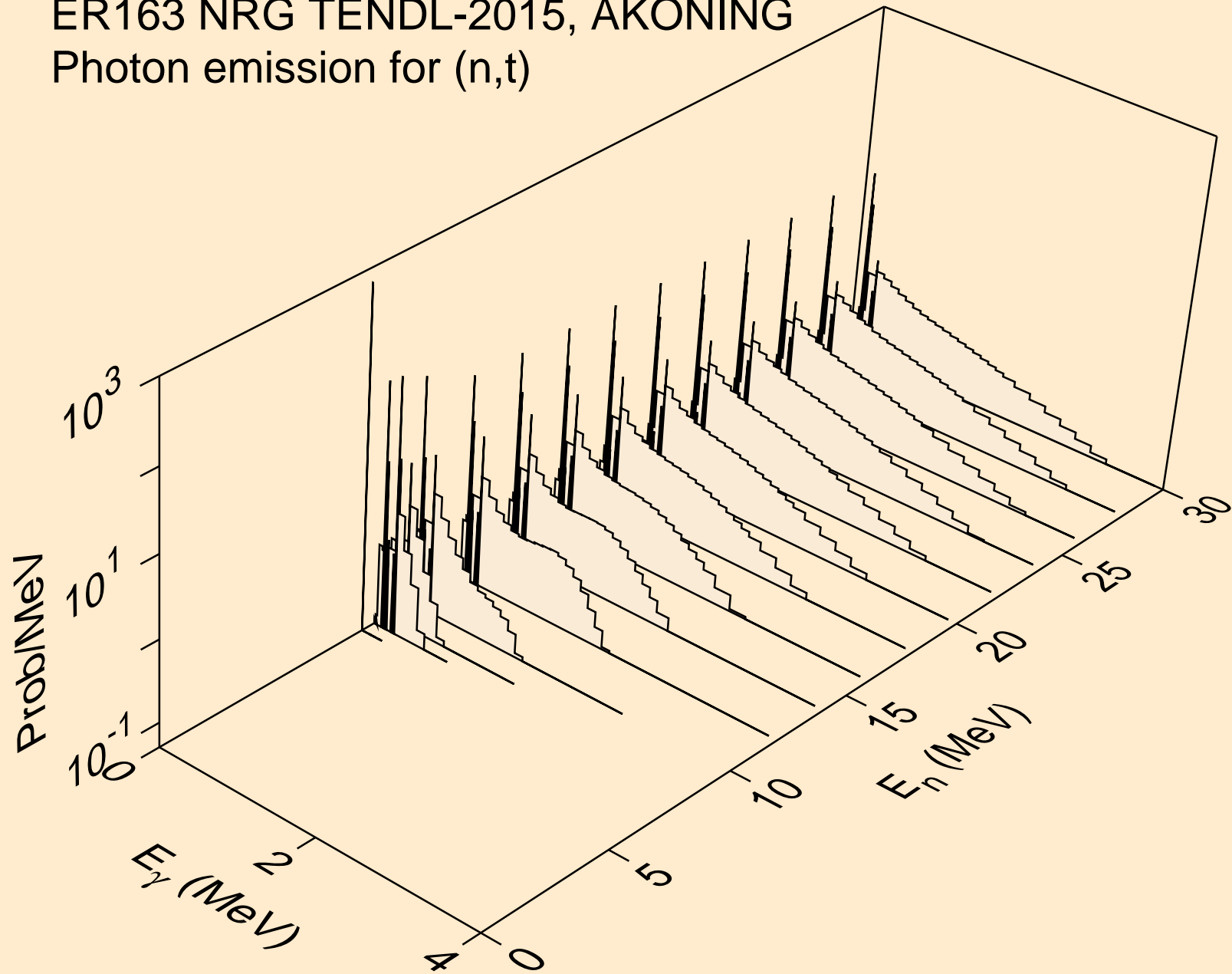




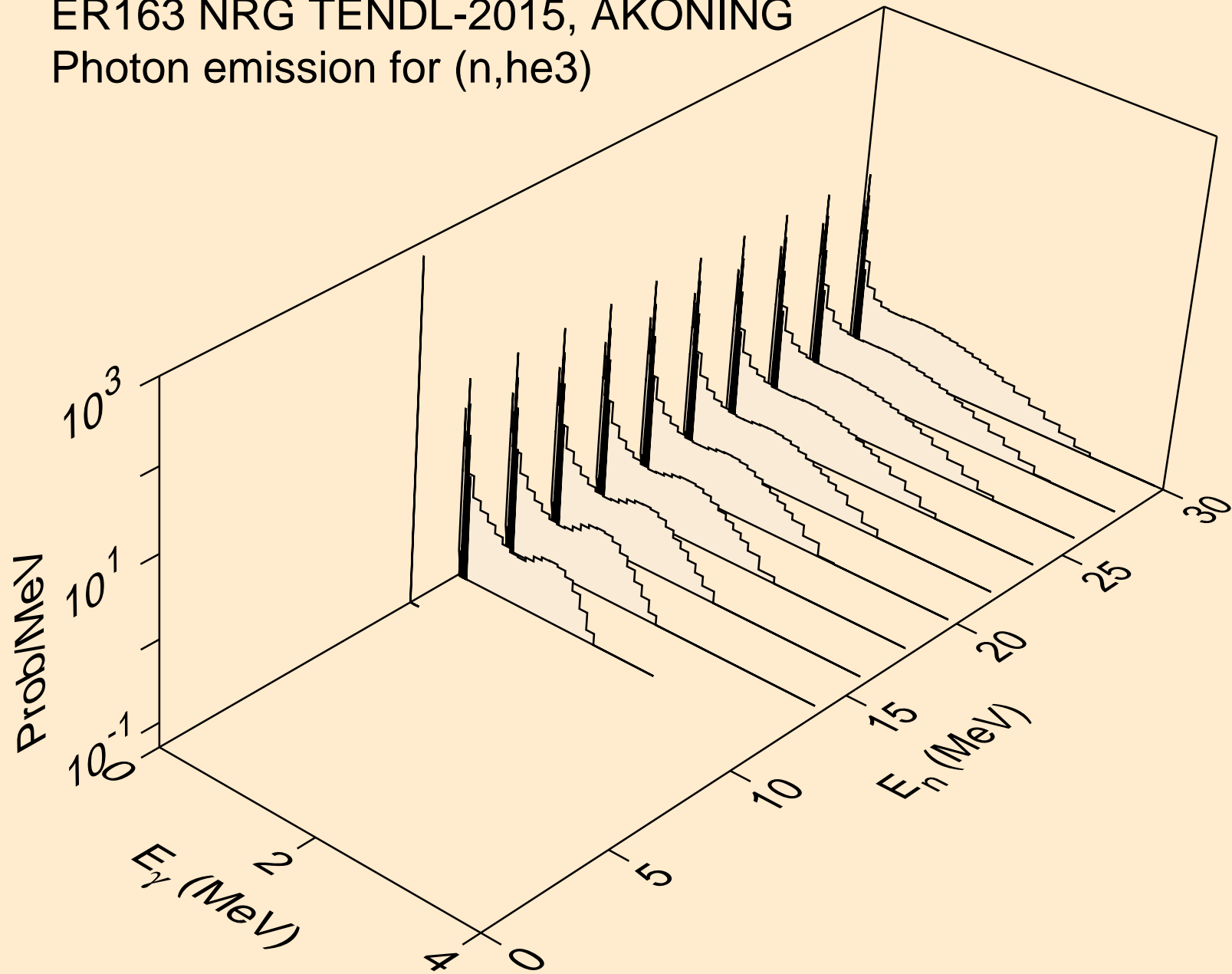
ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



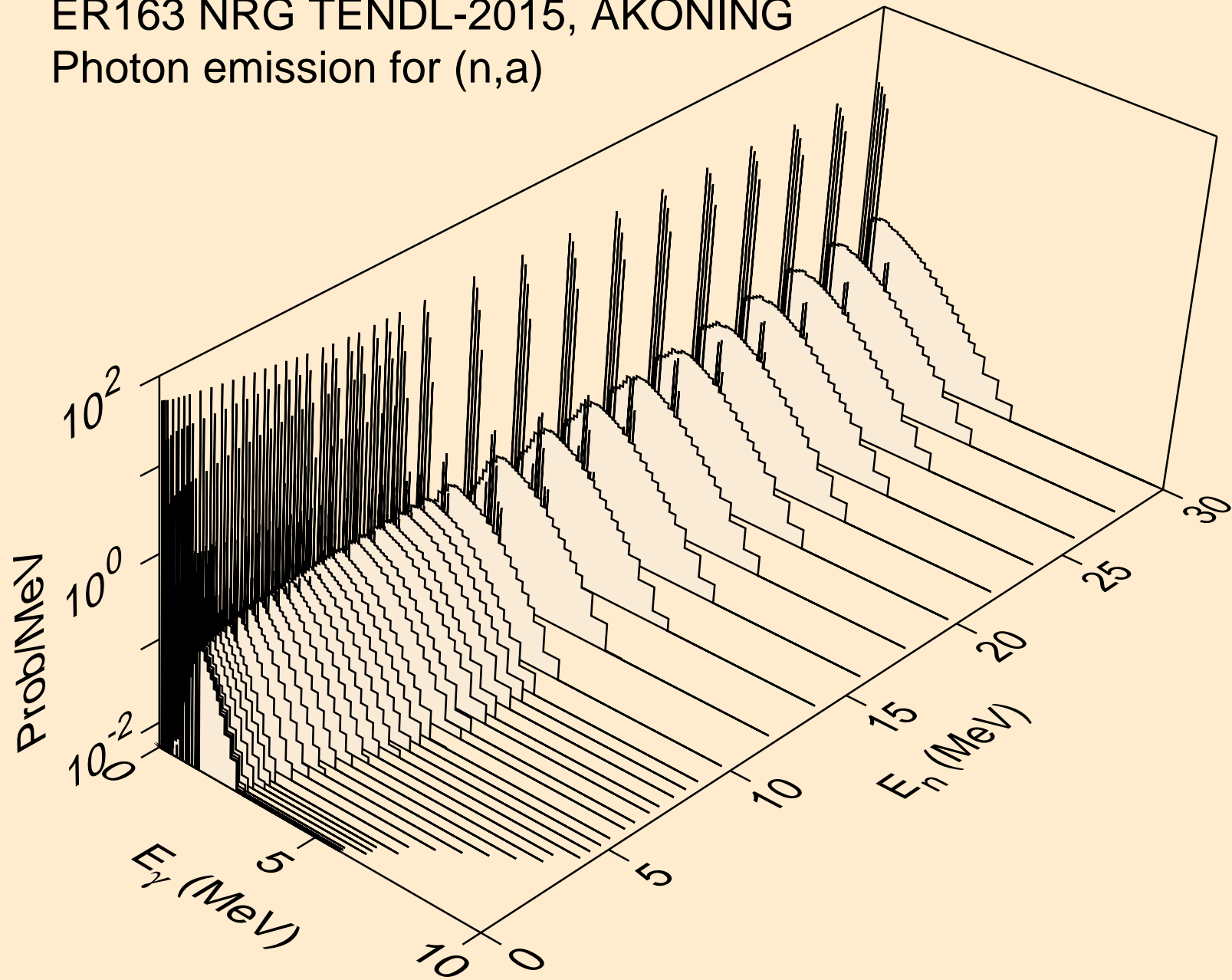
ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



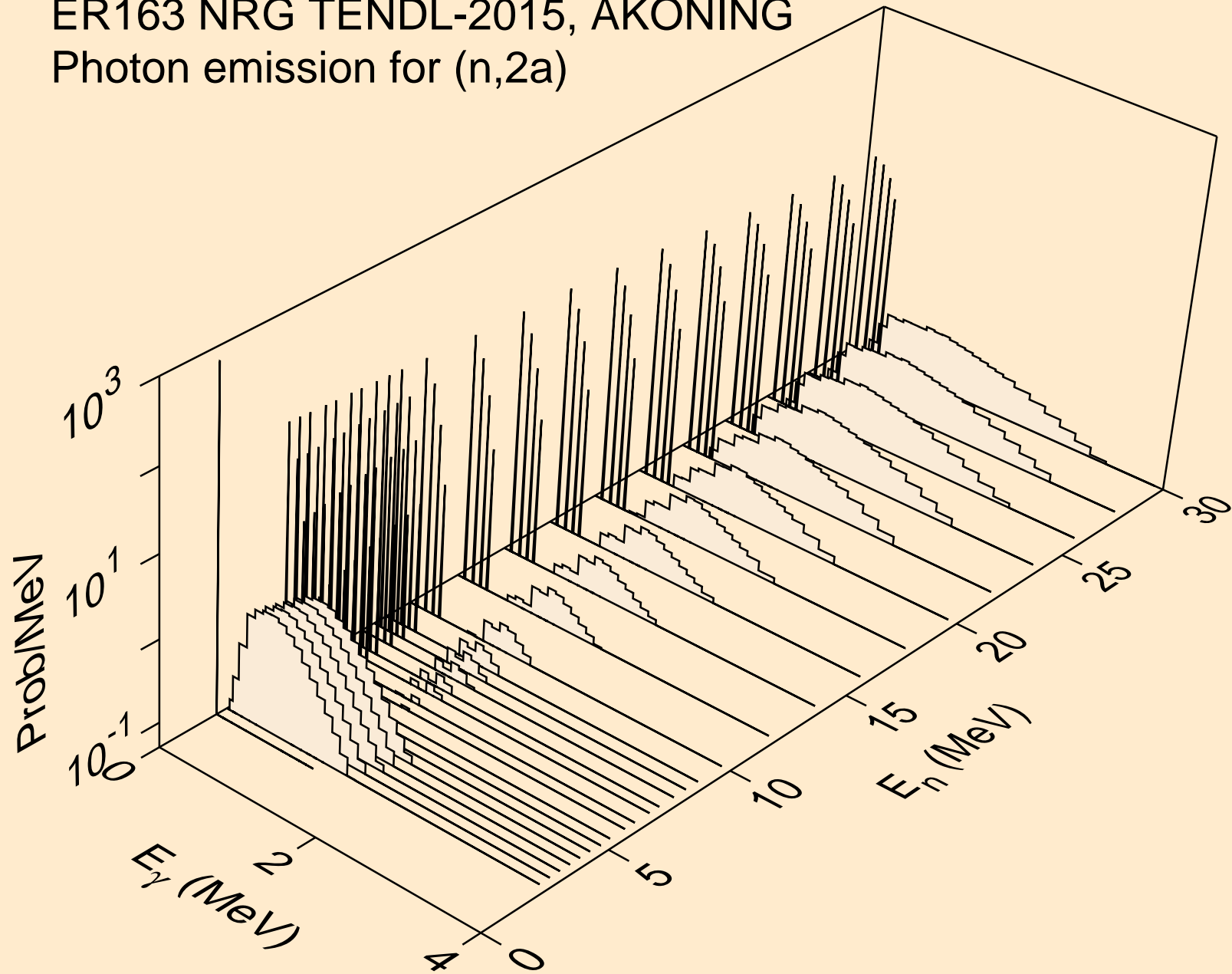
ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



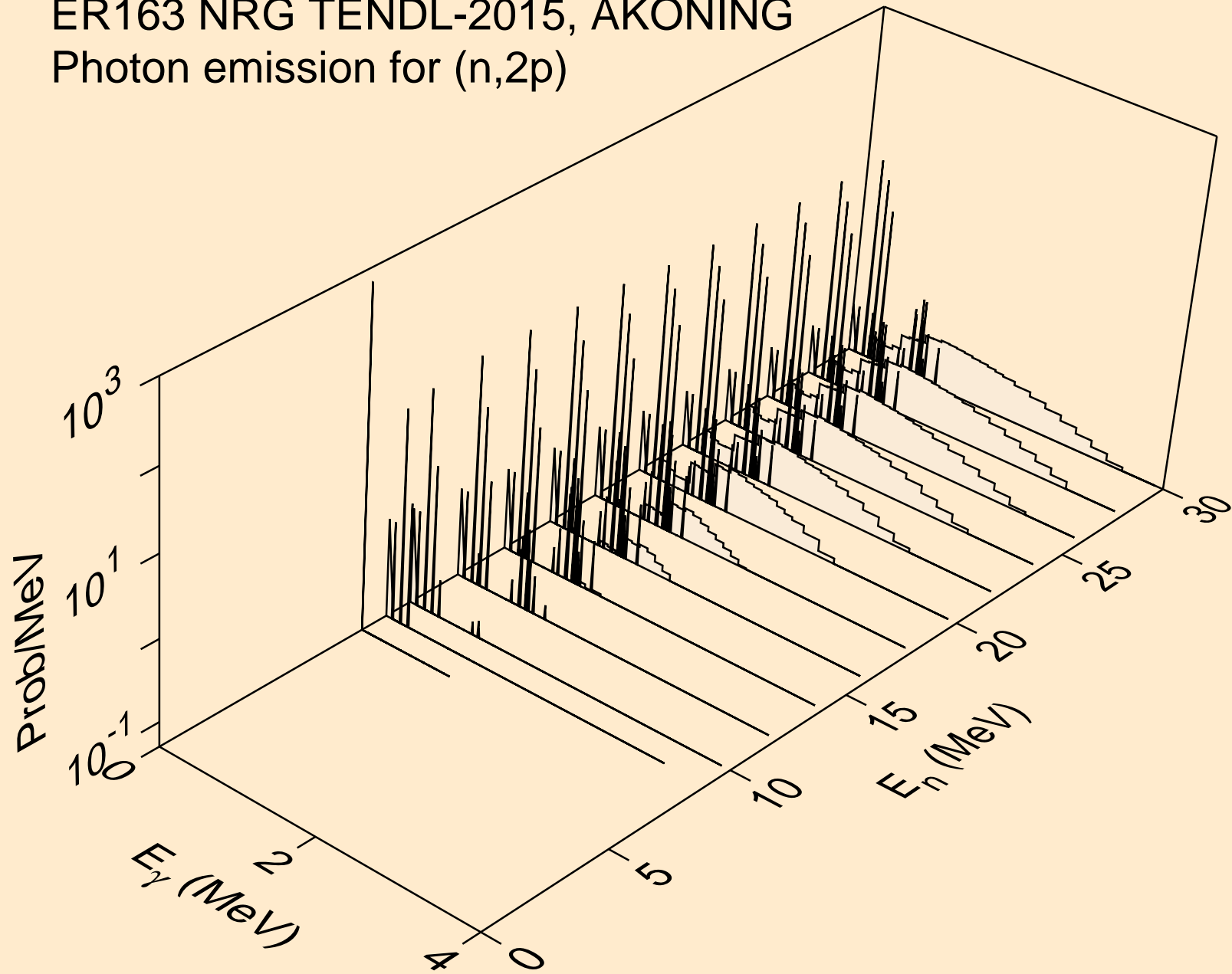
ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



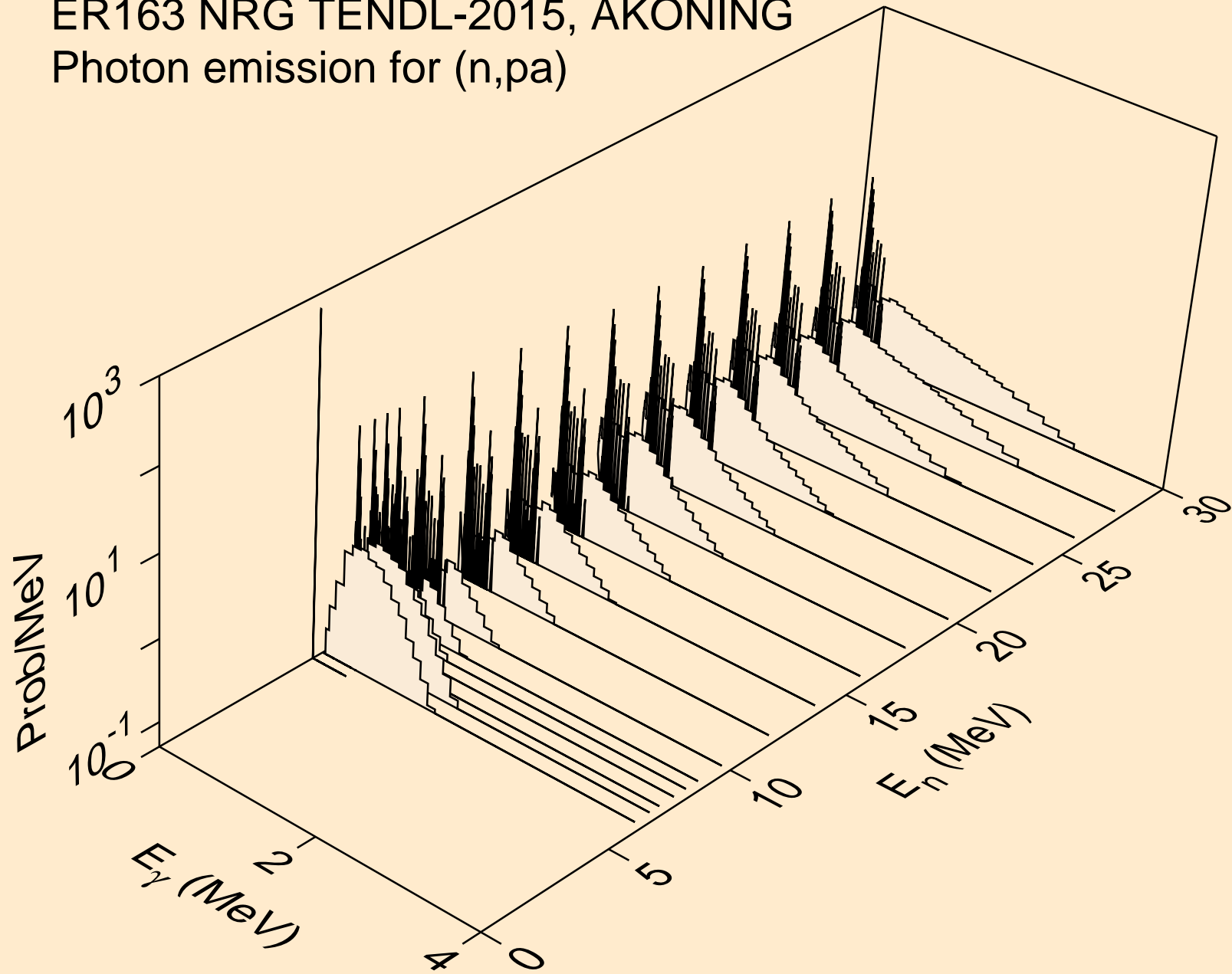
ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



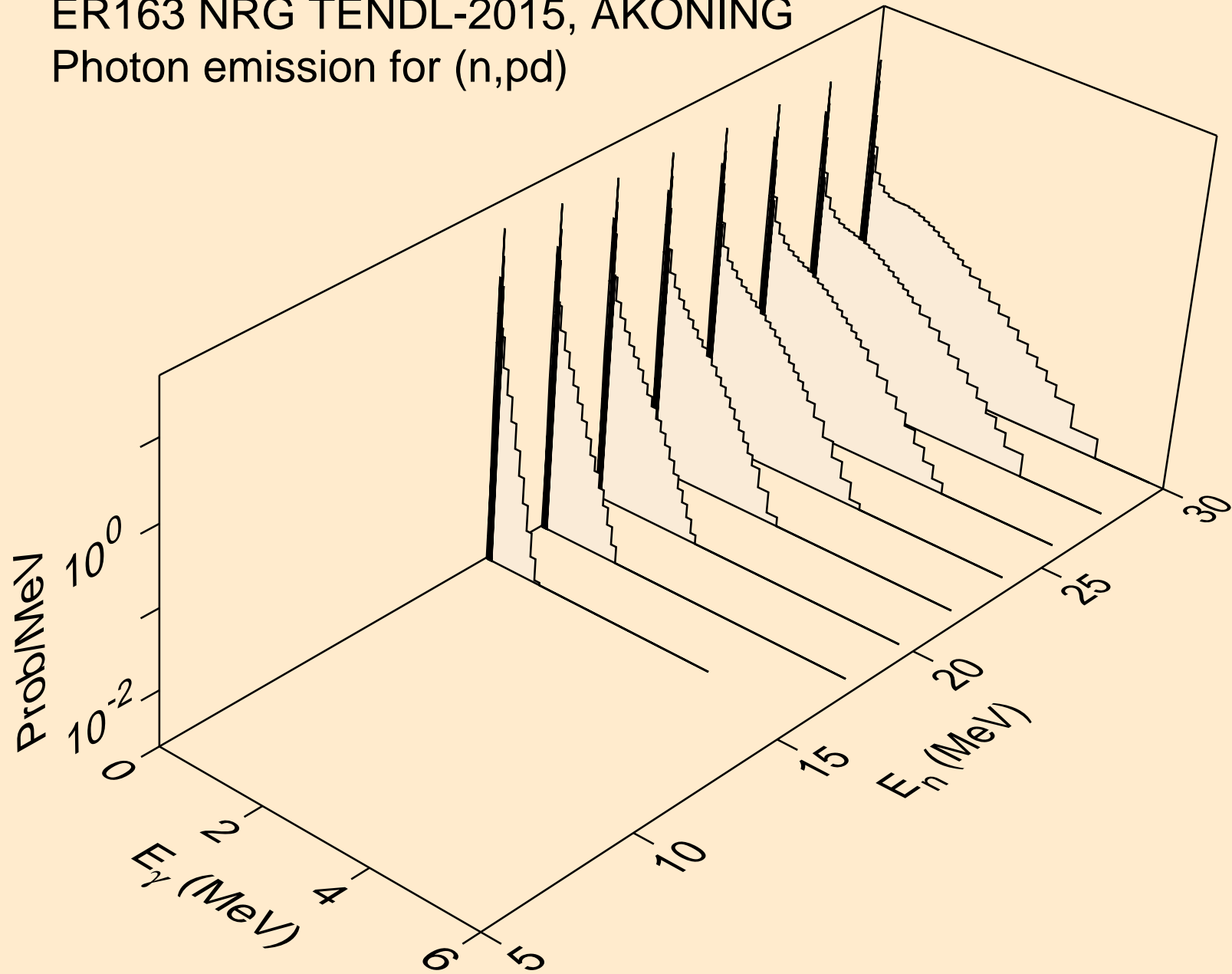
ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,pa)

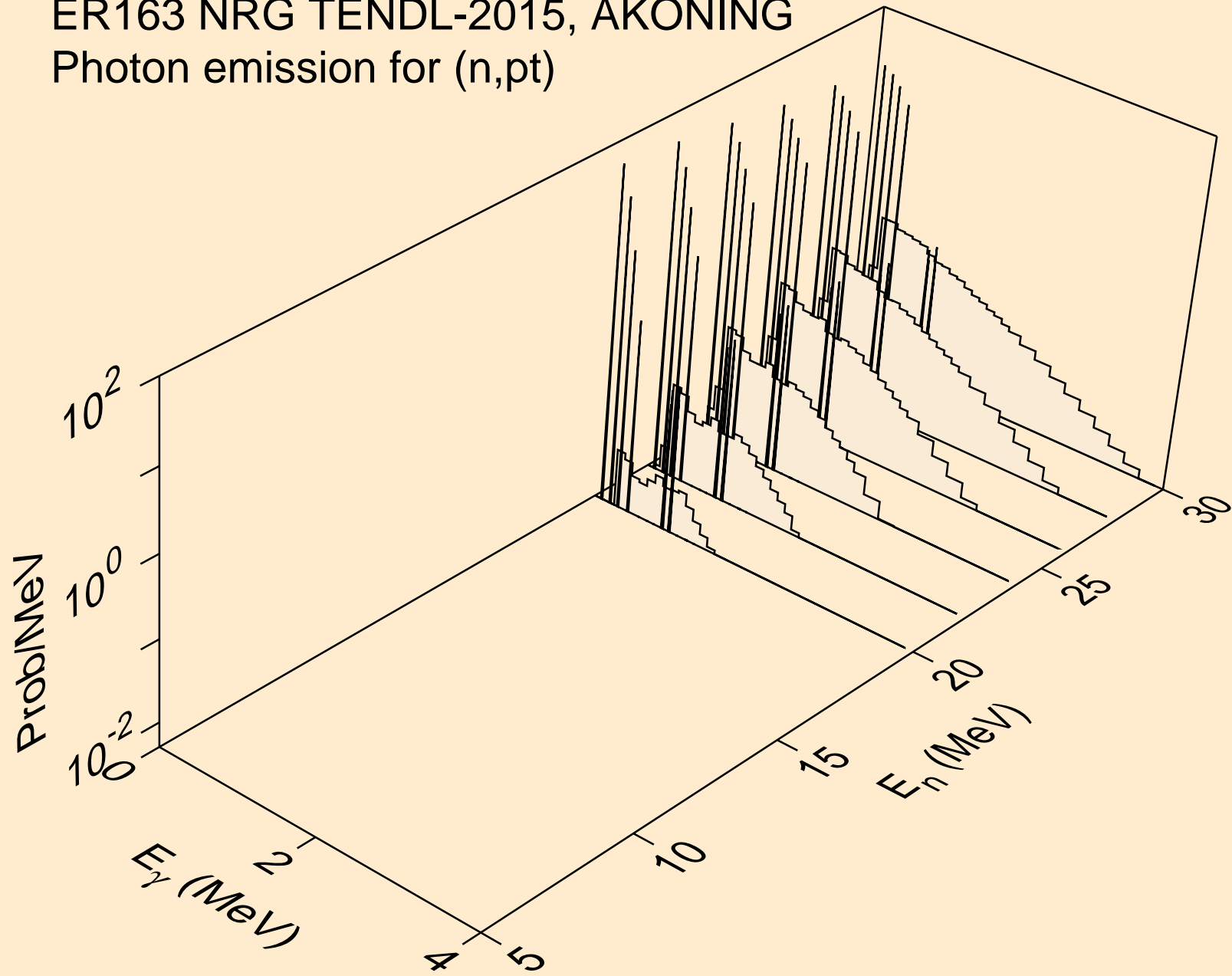


ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)

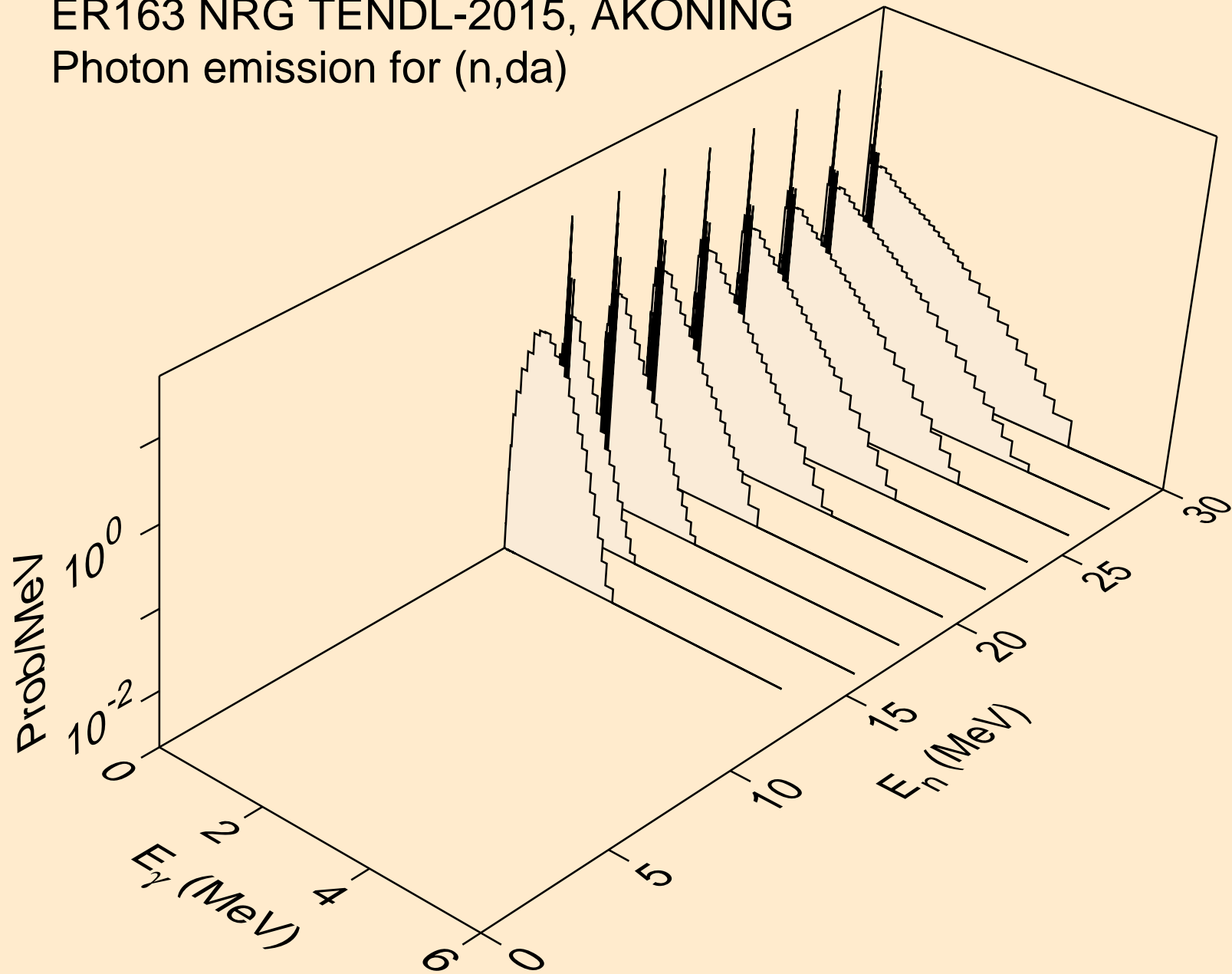




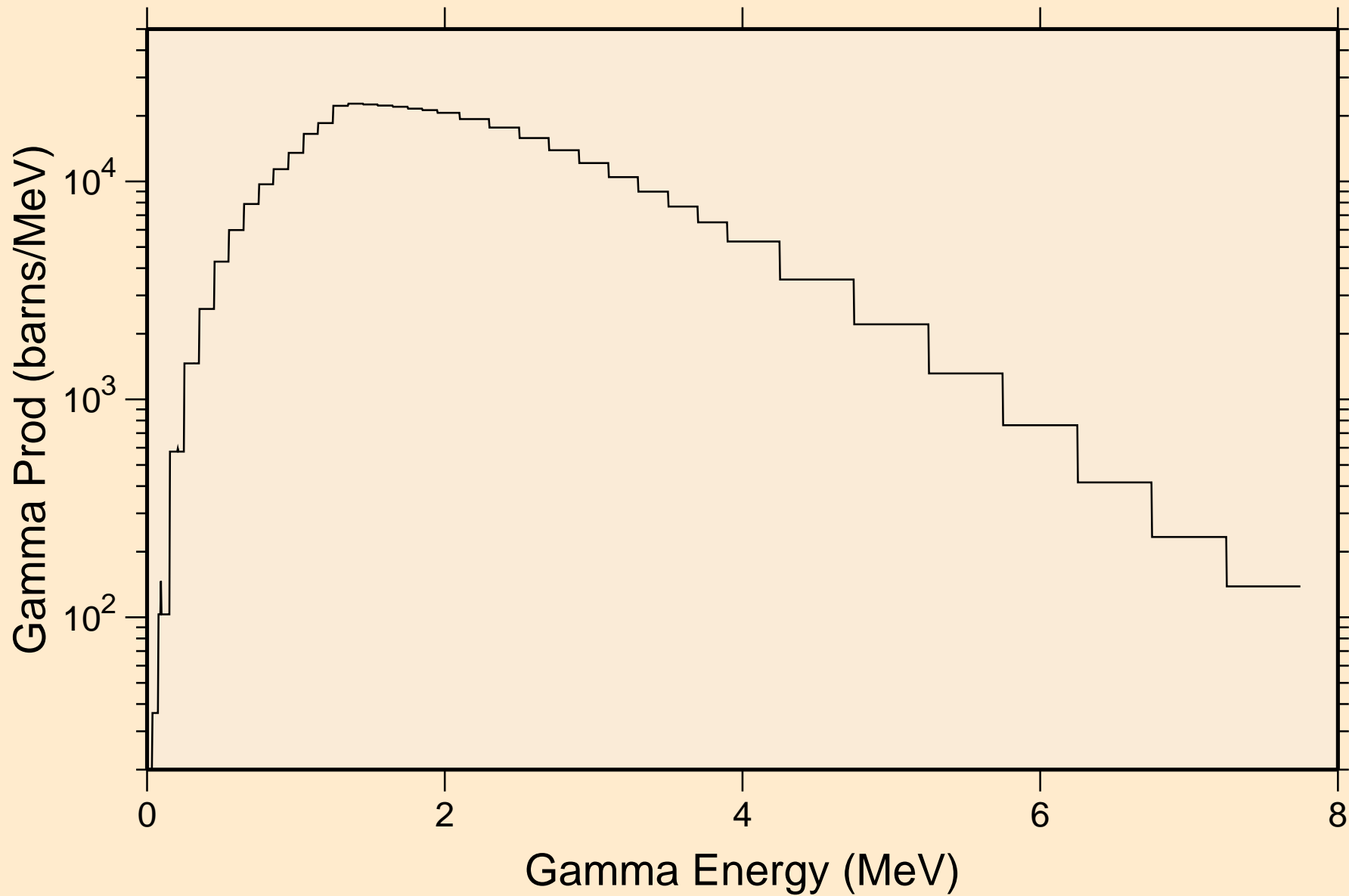
ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



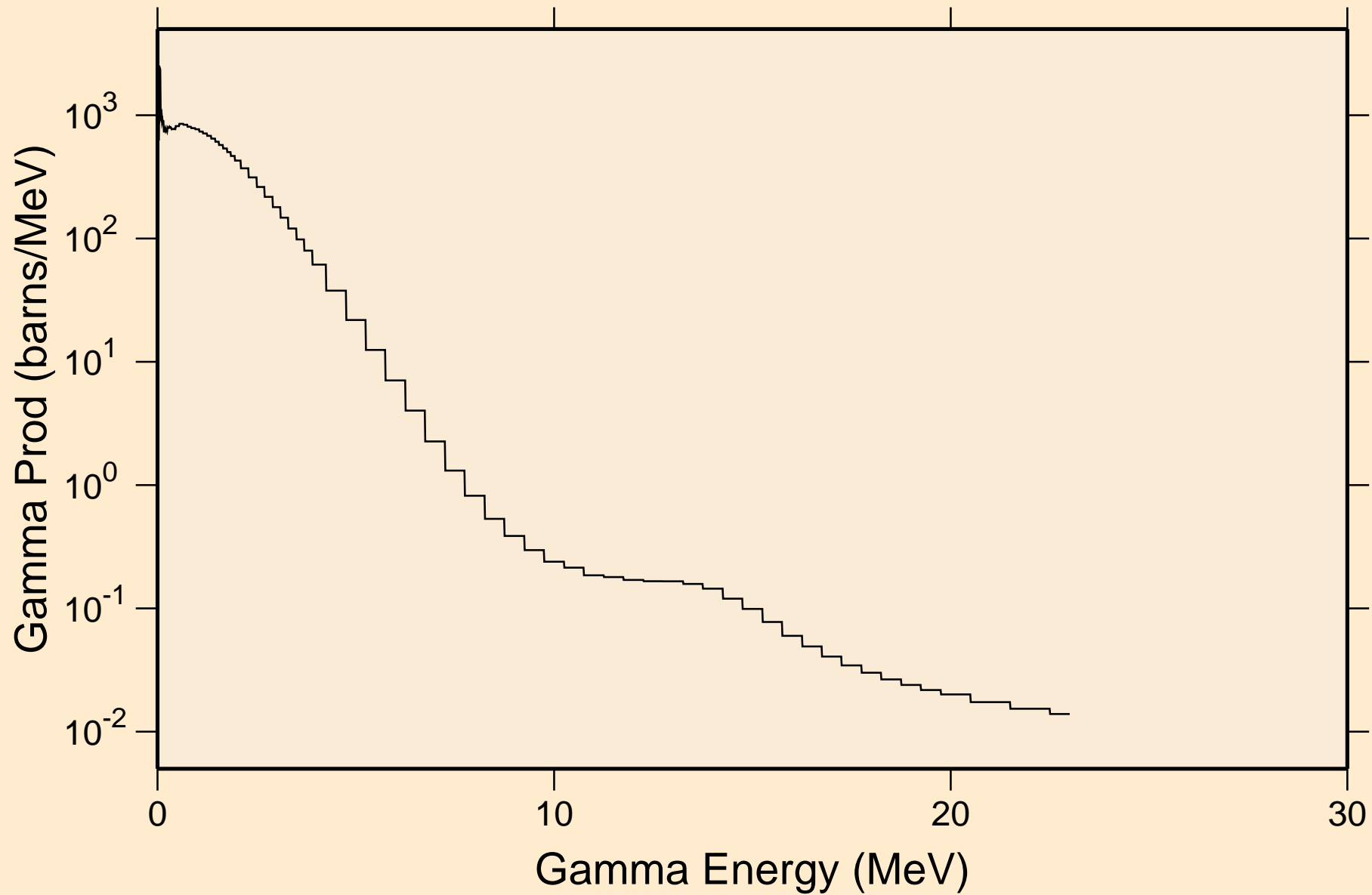
ER163 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



ER163 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

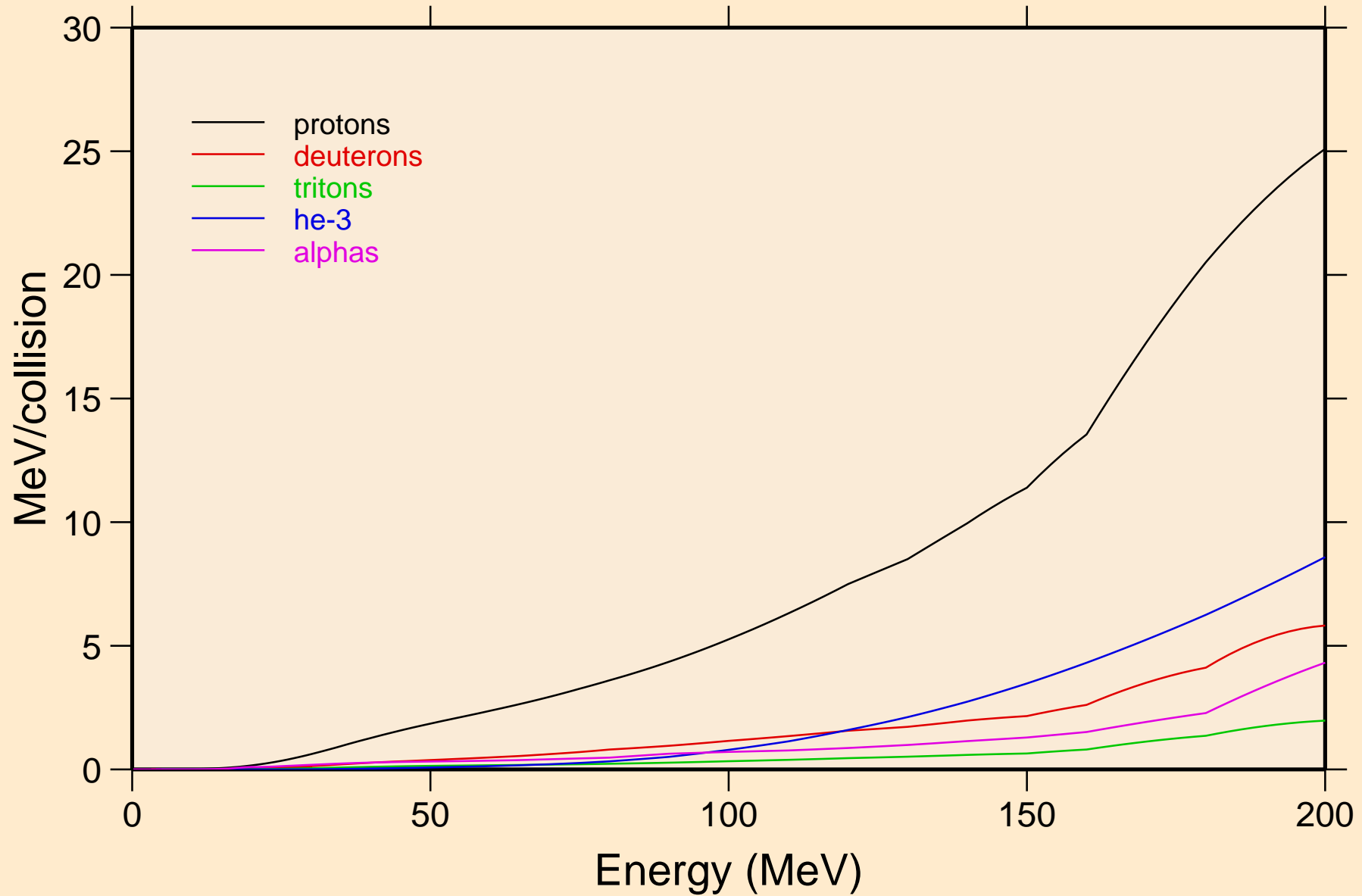


ER163 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



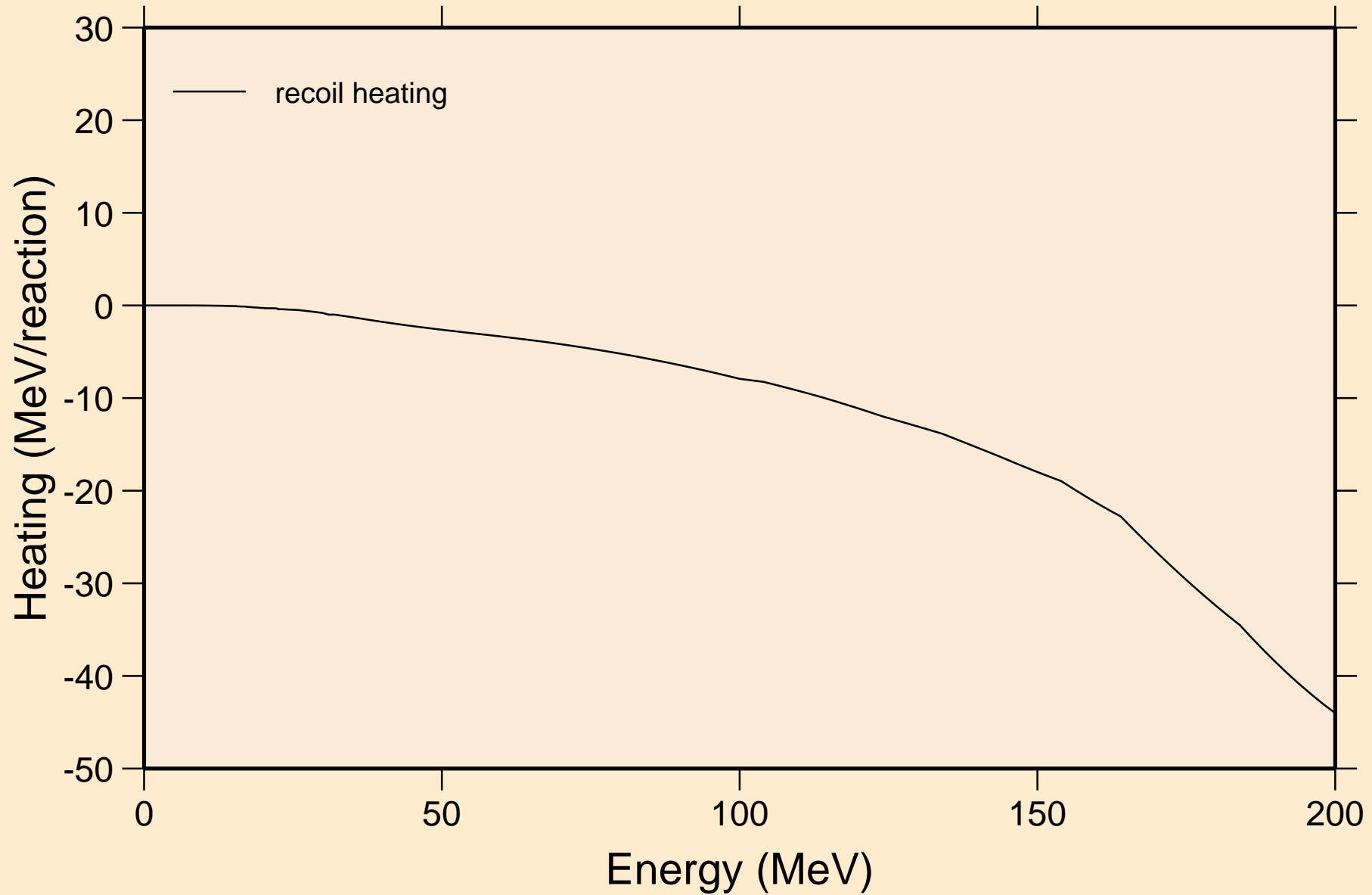
# ER163 NRG TENDL-2015, AKONING

## Particle heating contributions



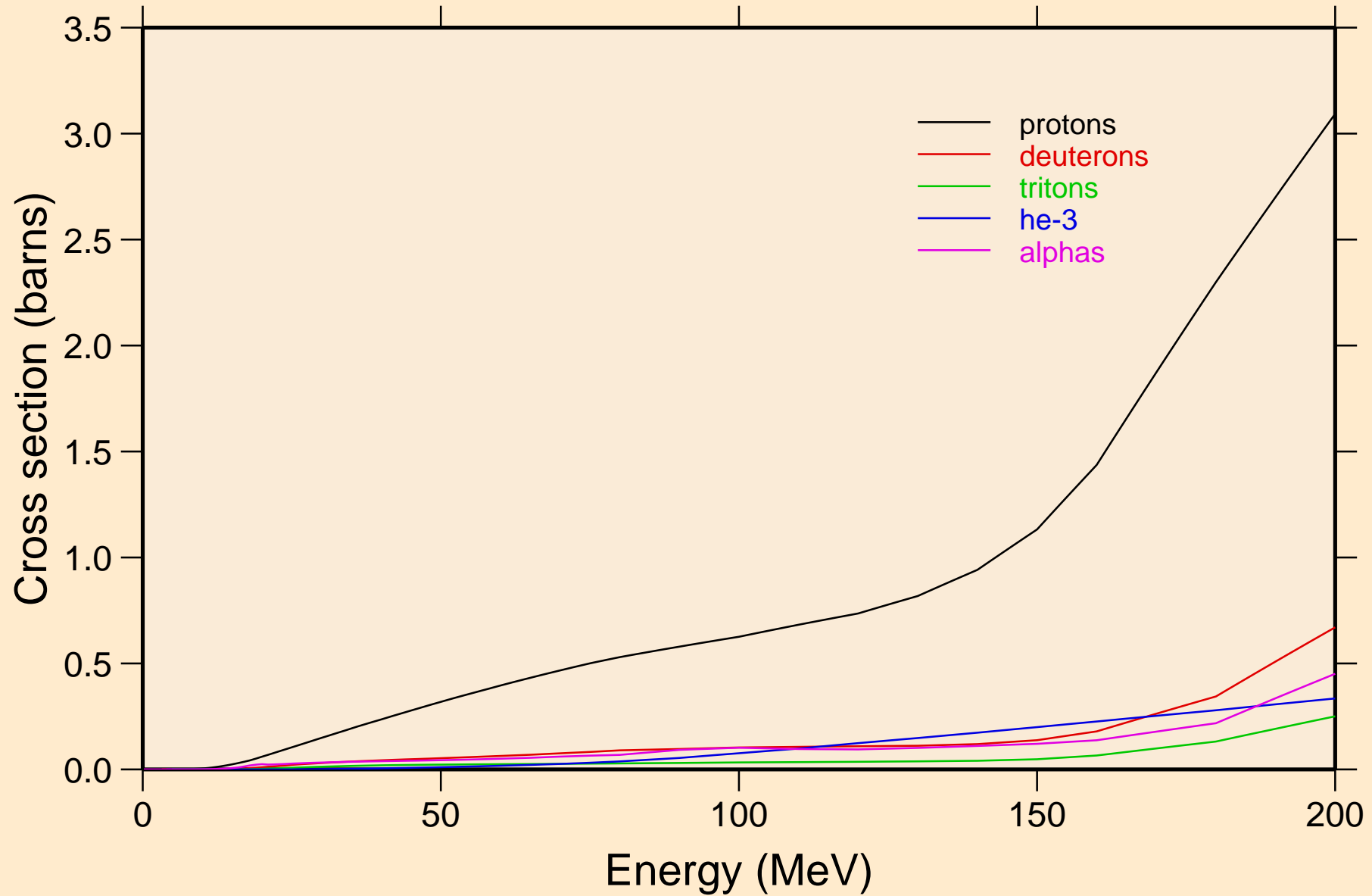
# ER163 NRG TENDL-2015, AKONING

## Recoil Heating

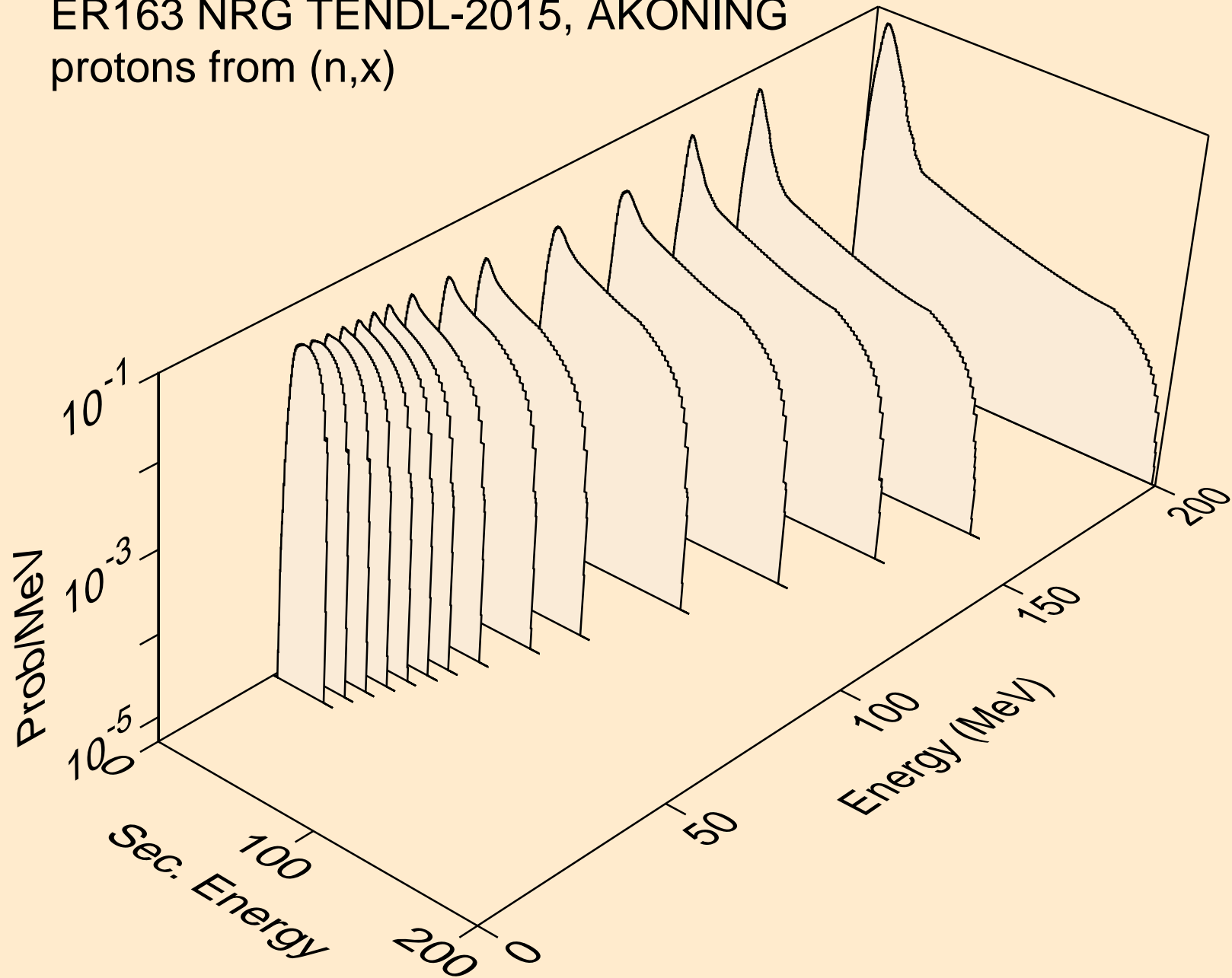


# ER163 NRG TENDL-2015, AKONING

## Particle production cross sections

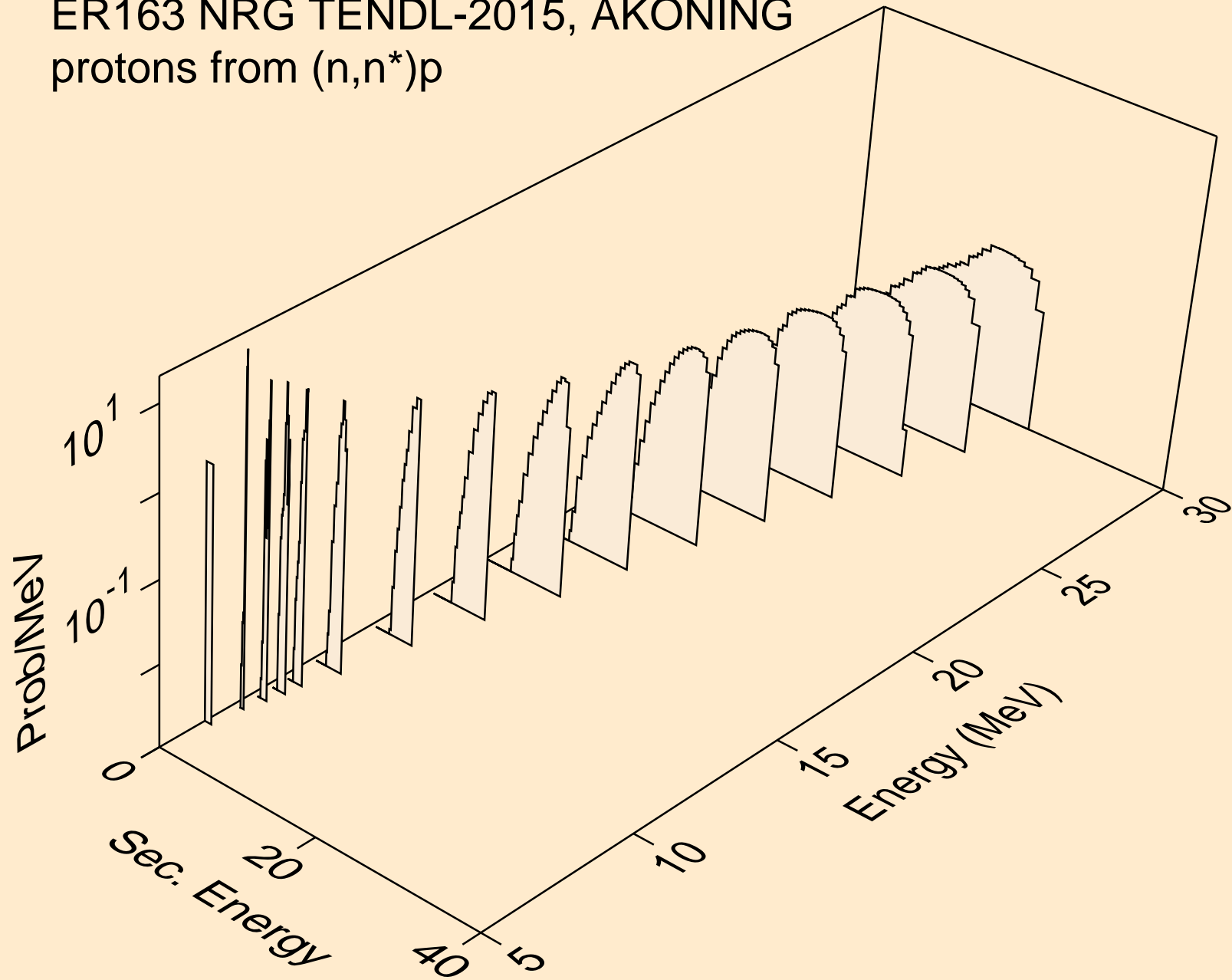


ER163 NRG TENDL-2015, AKONING  
protons from (n,x)

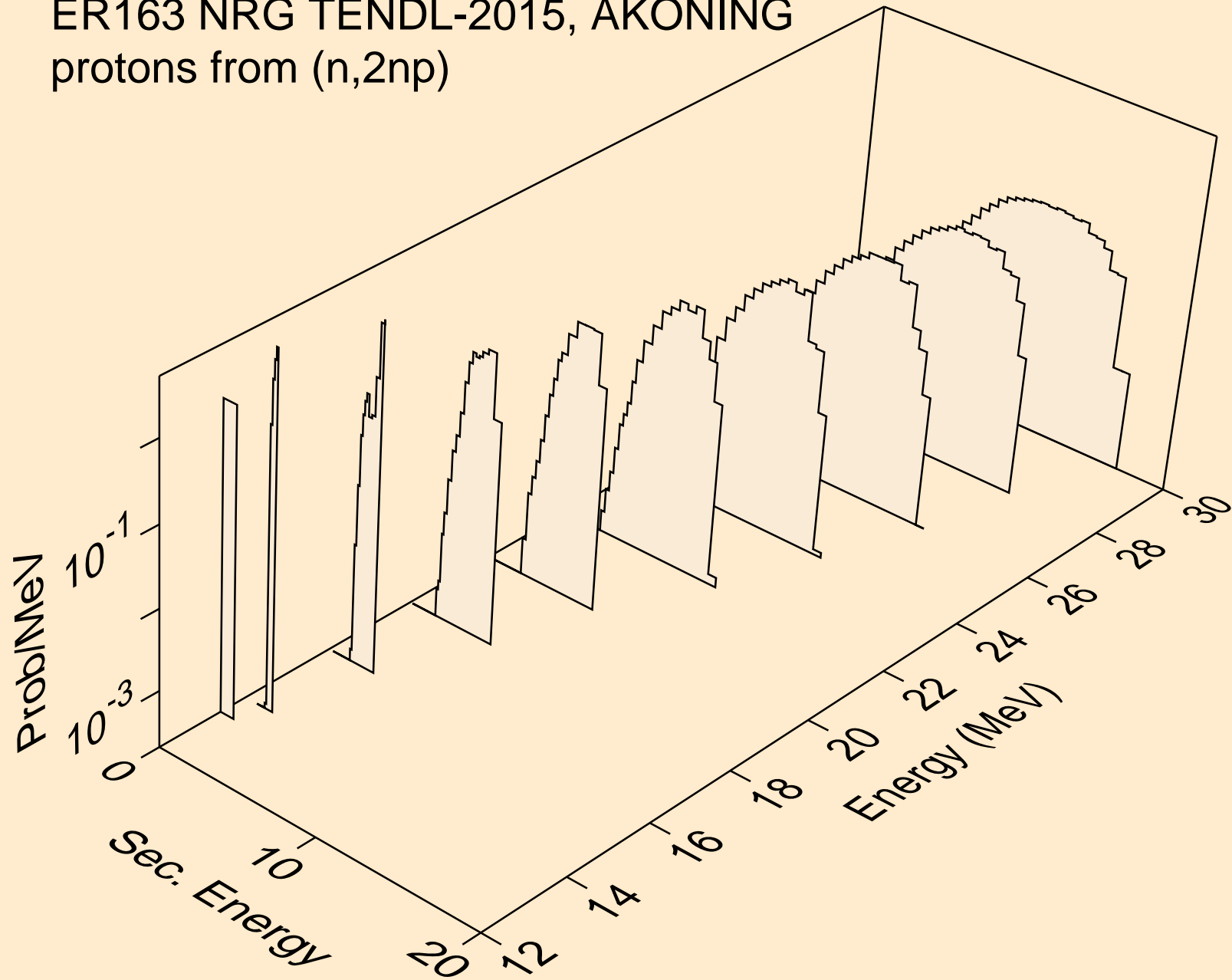




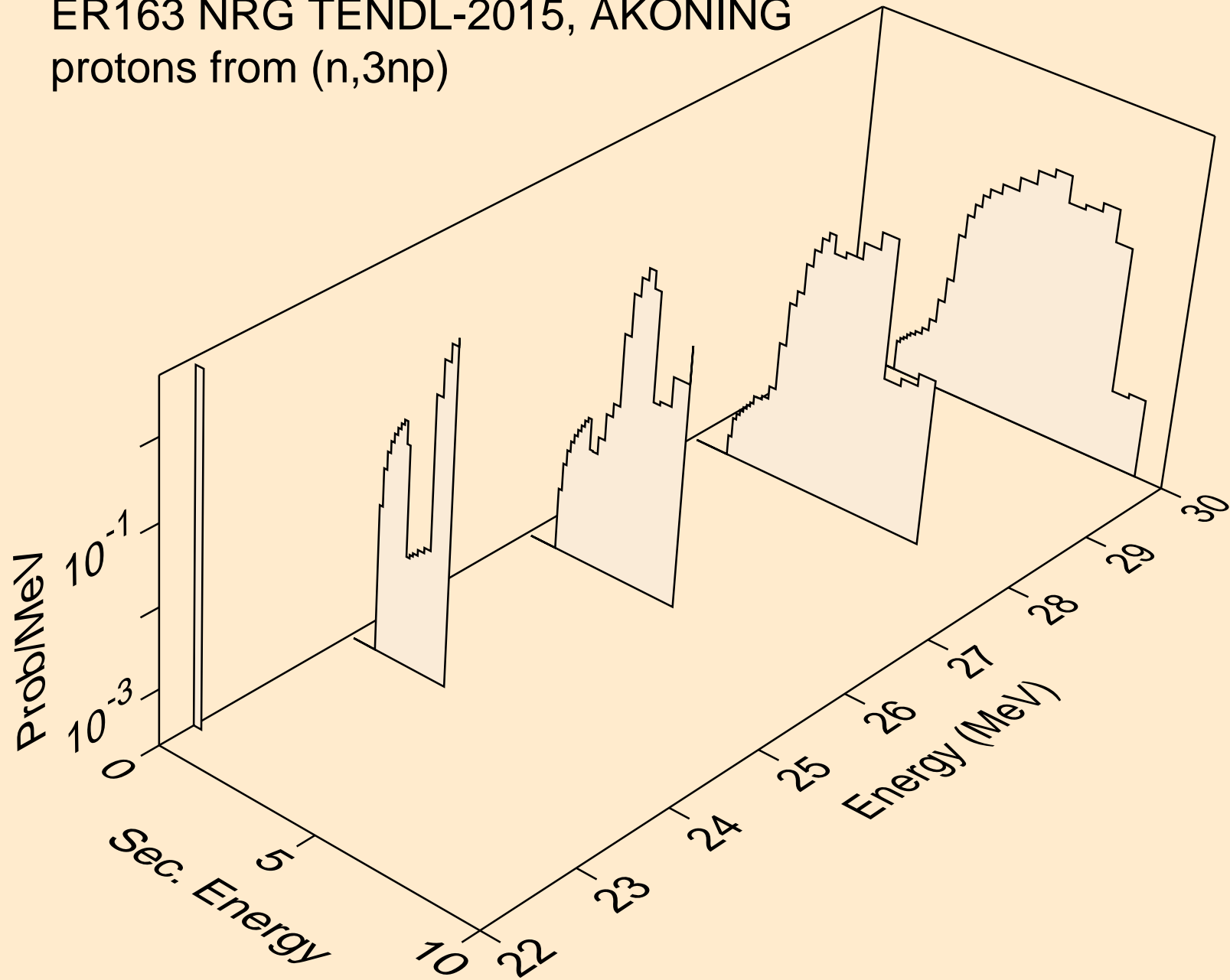
ER163 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



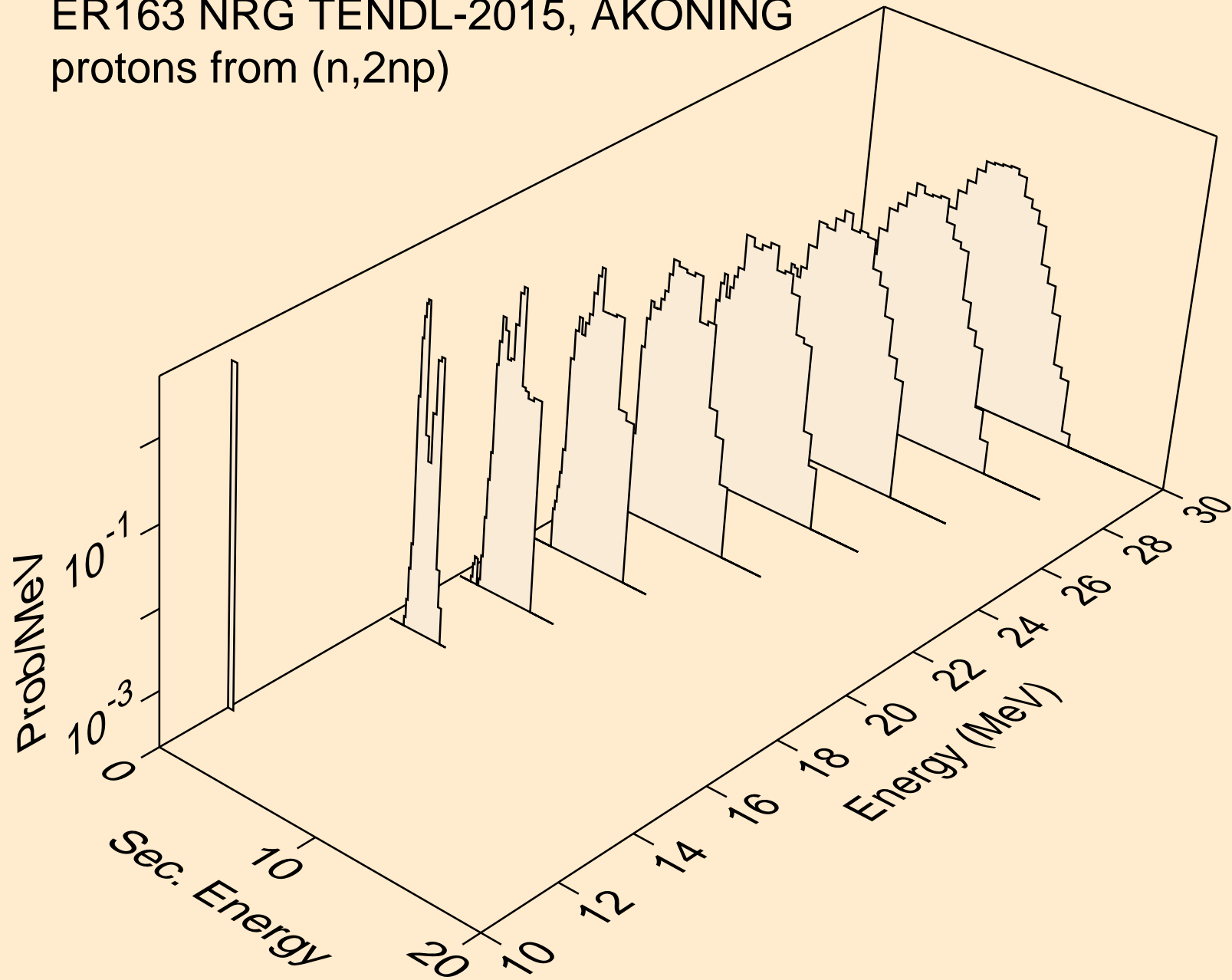
ER163 NRG TENDL-2015, AKONING  
protons from (n,2np)



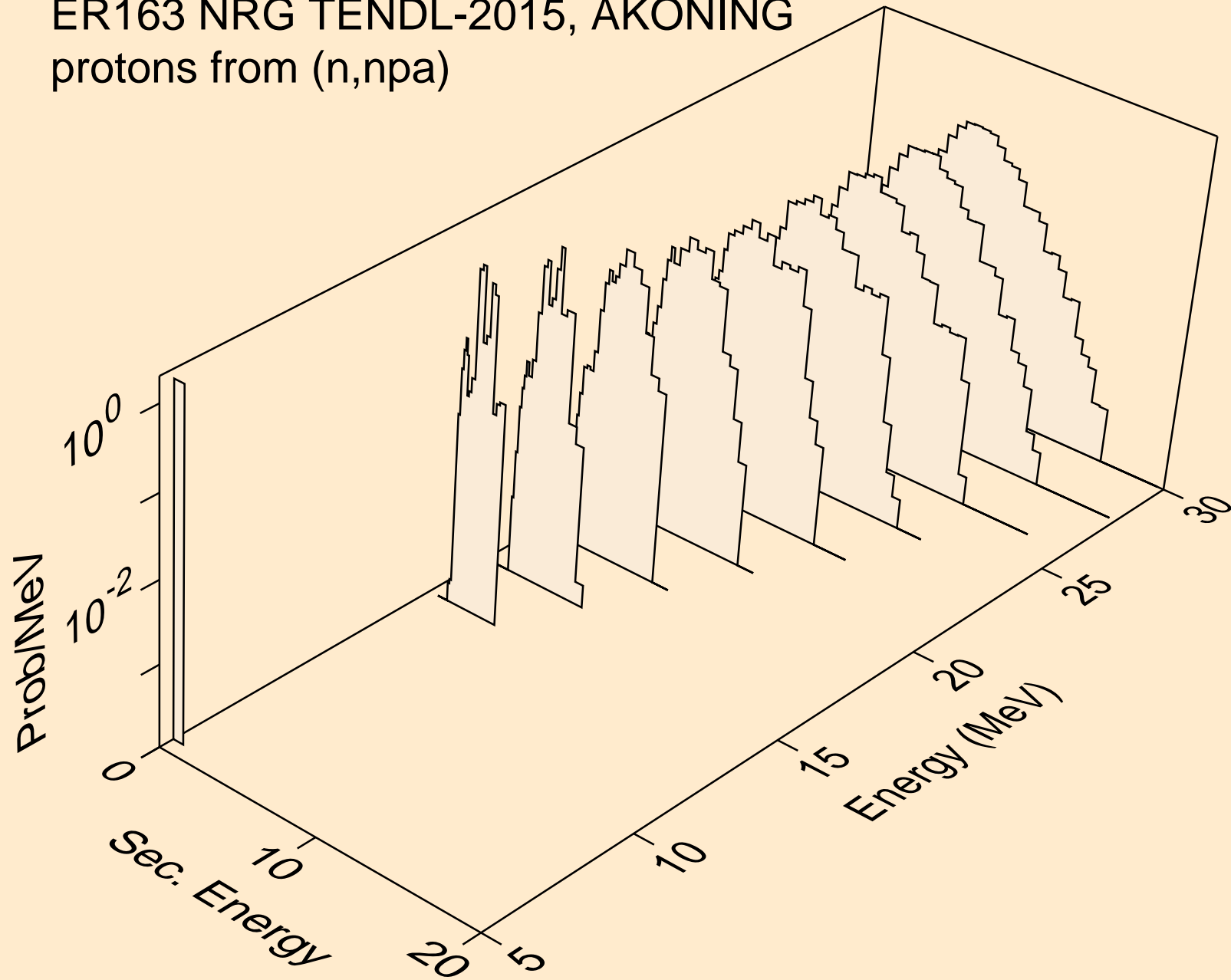
ER163 NRG TENDL-2015, AKONING  
protons from (n,3np)



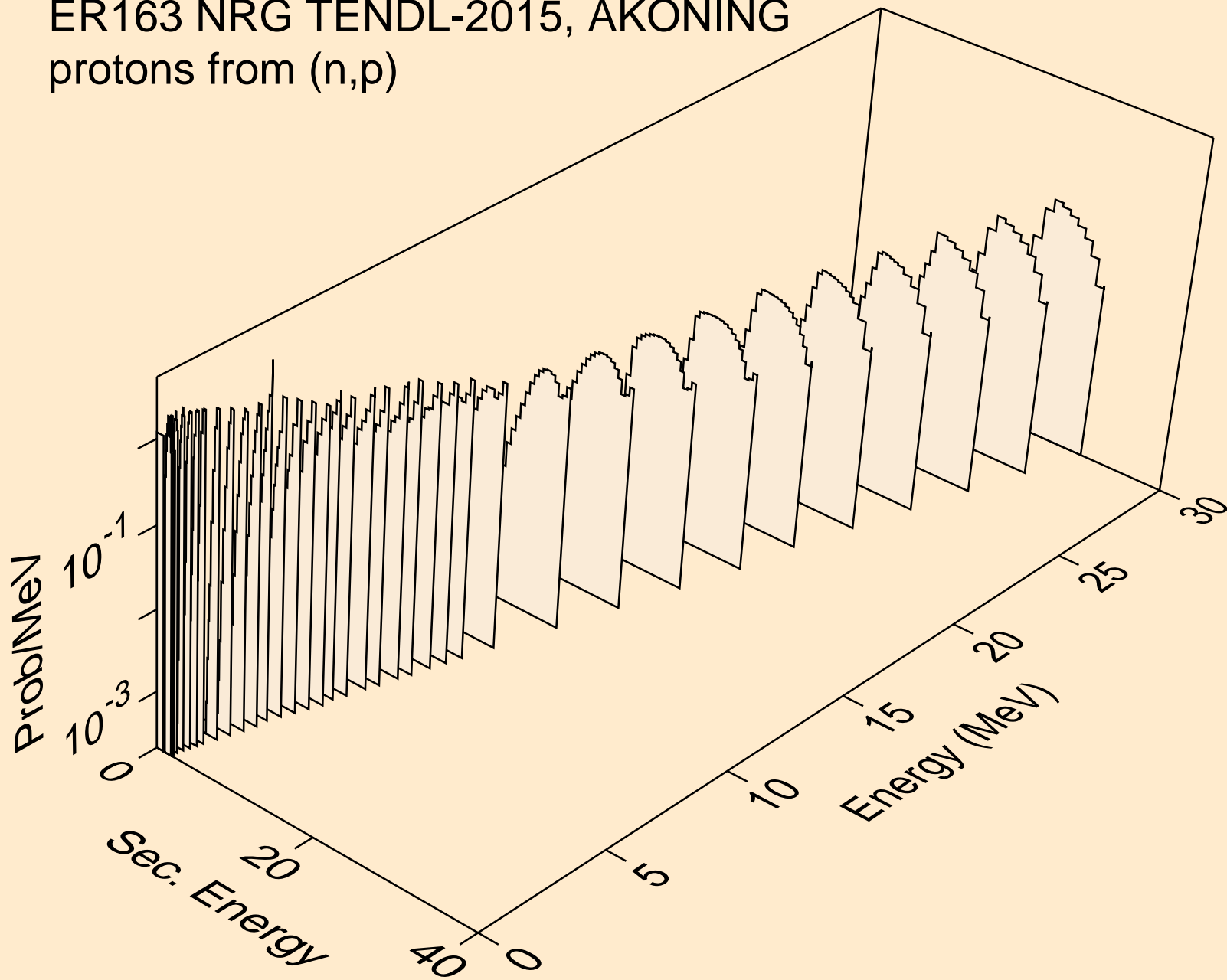
ER163 NRG TENDL-2015, AKONING  
protons from (n,2np)



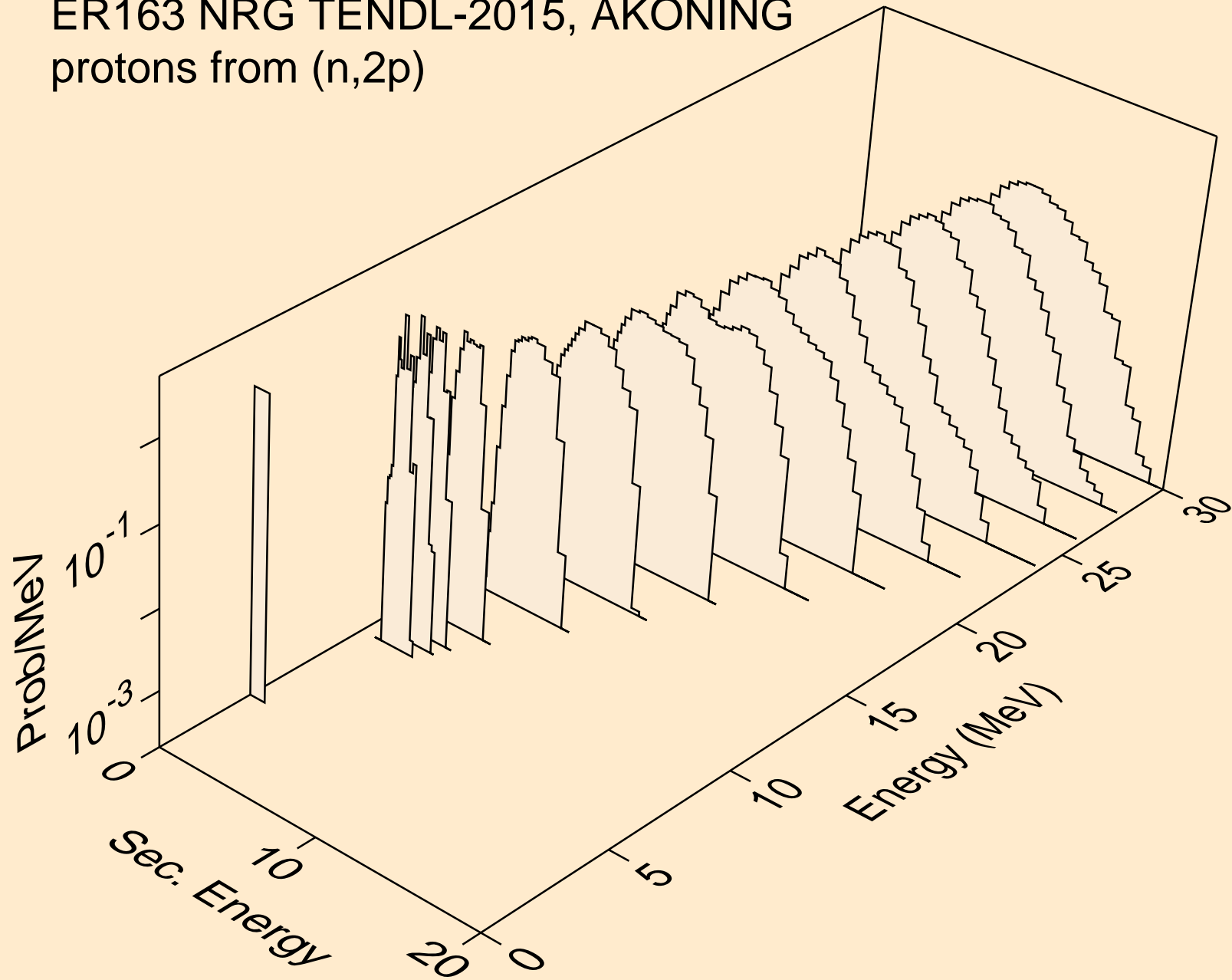
ER163 NRG TENDL-2015, AKONING  
protons from (n,npa)



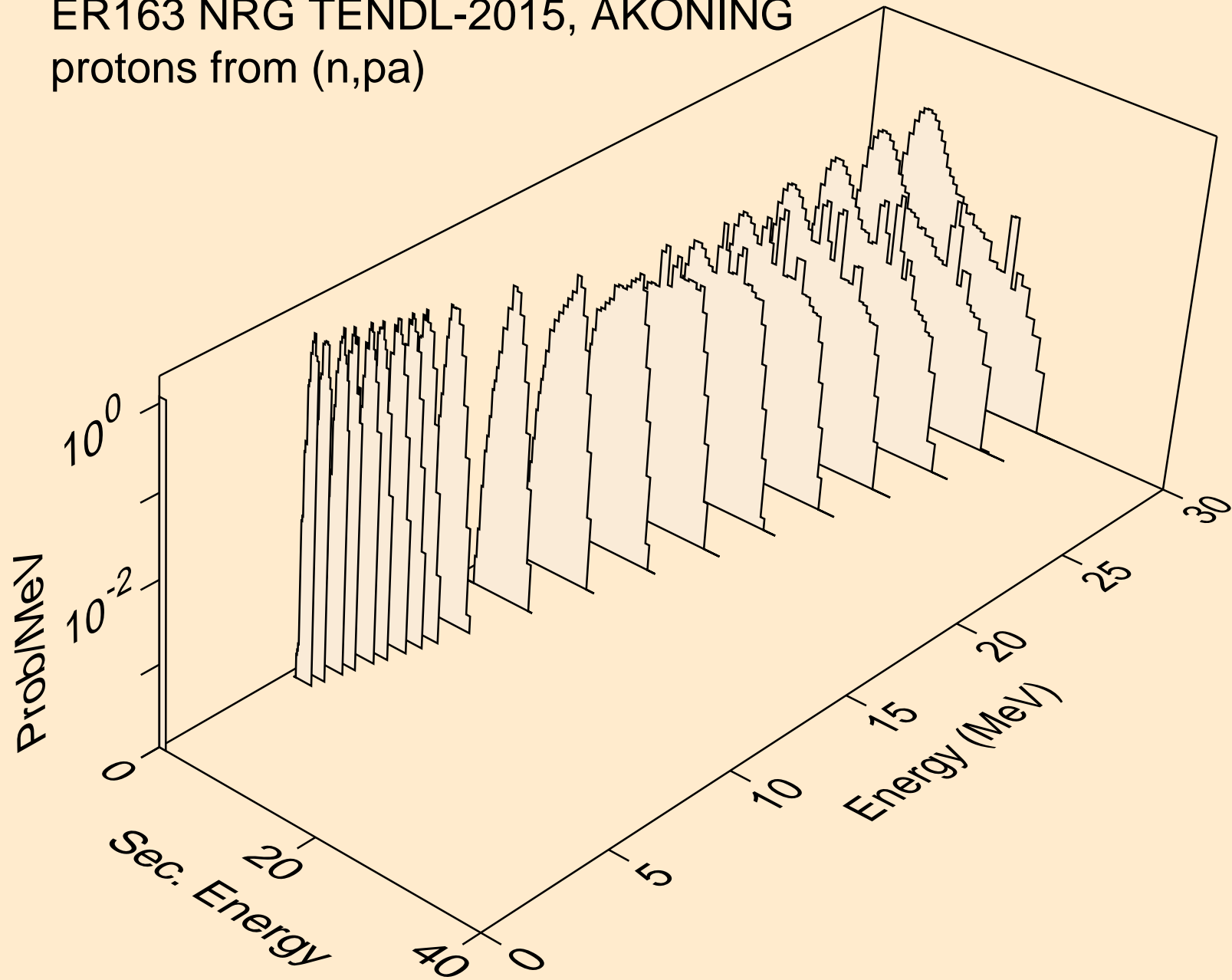
ER163 NRG TENDL-2015, AKONING  
protons from (n,p)



ER163 NRG TENDL-2015, AKONING  
protons from (n,2p)

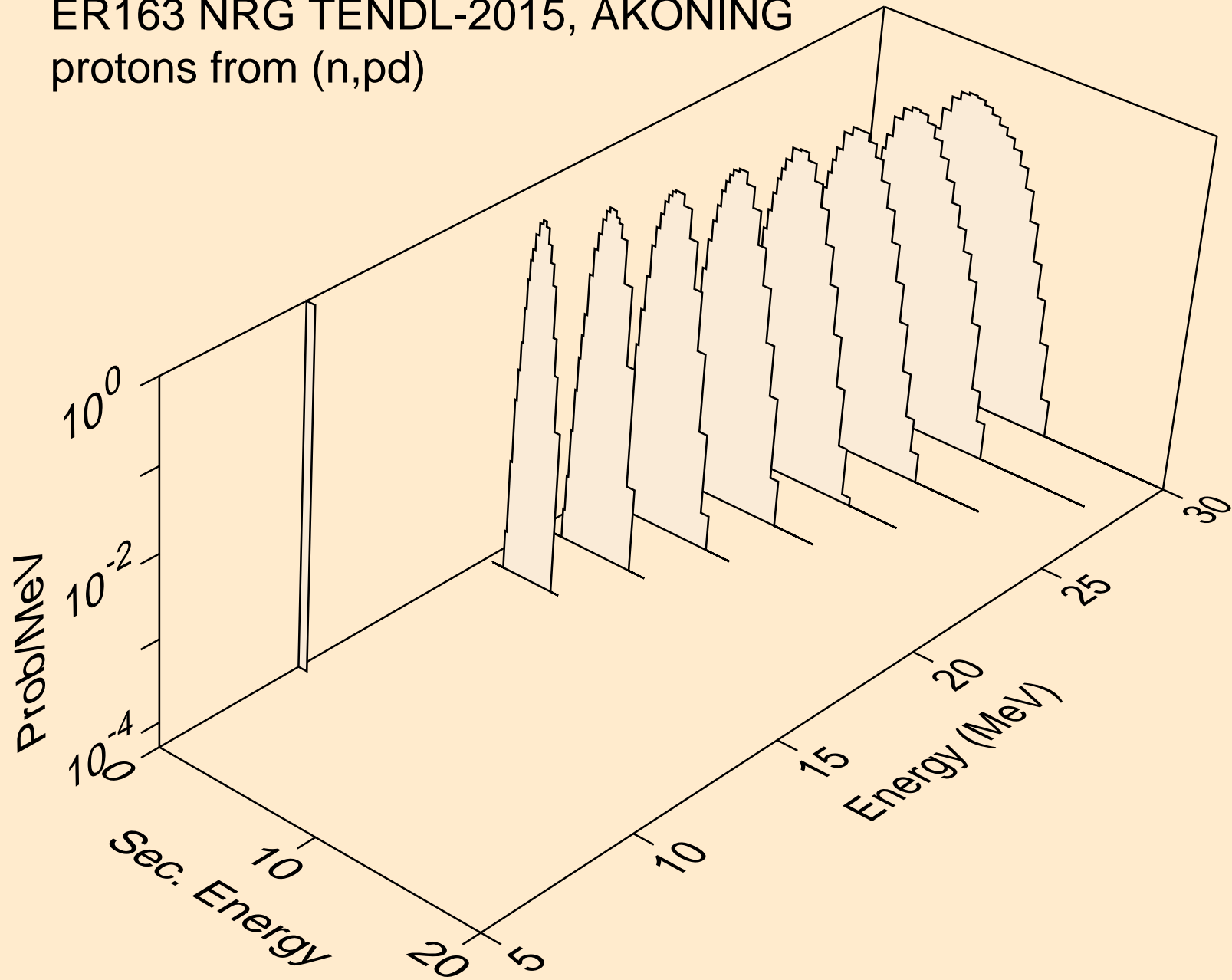


ER163 NRG TENDL-2015, AKONING  
protons from (n,pa)

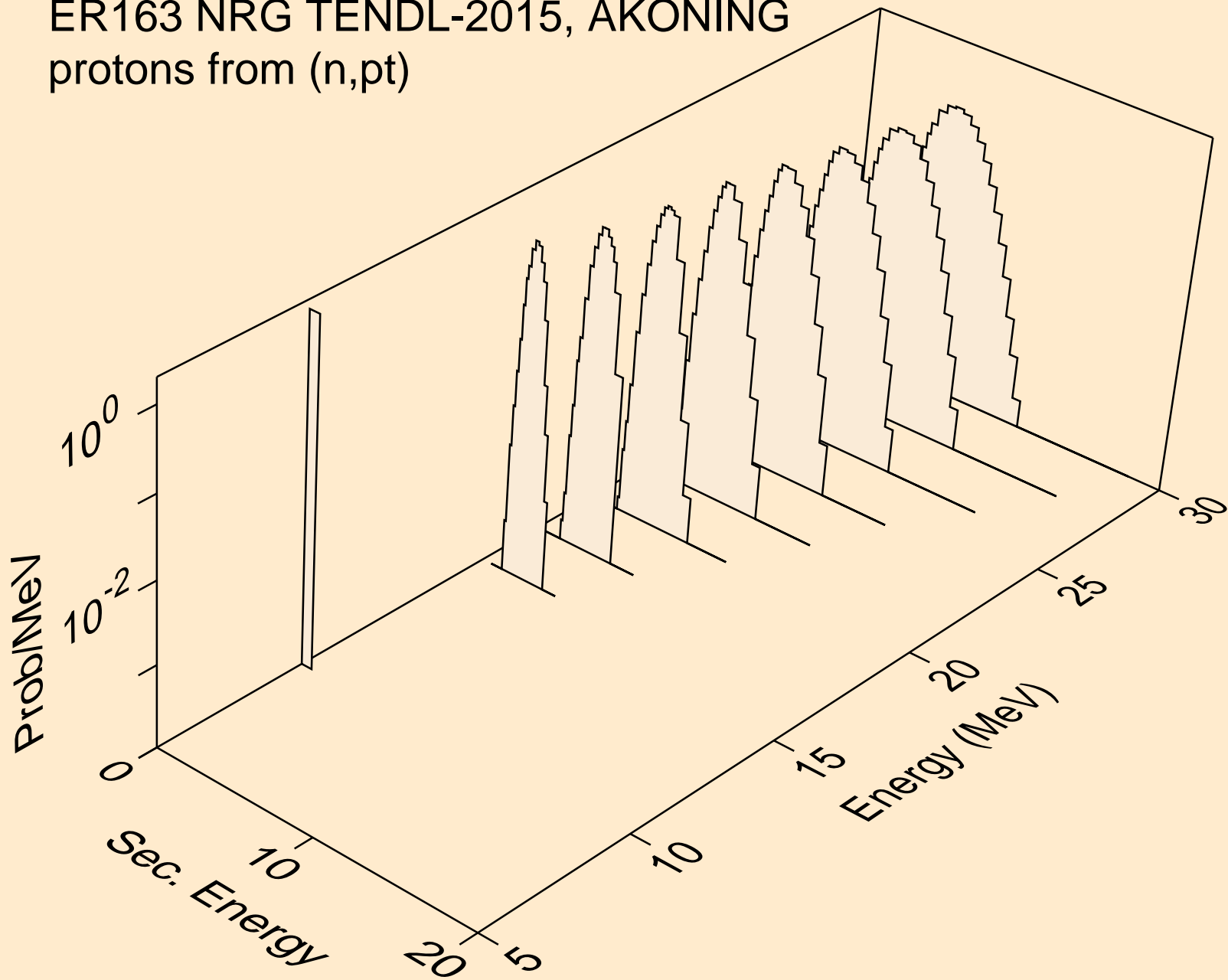




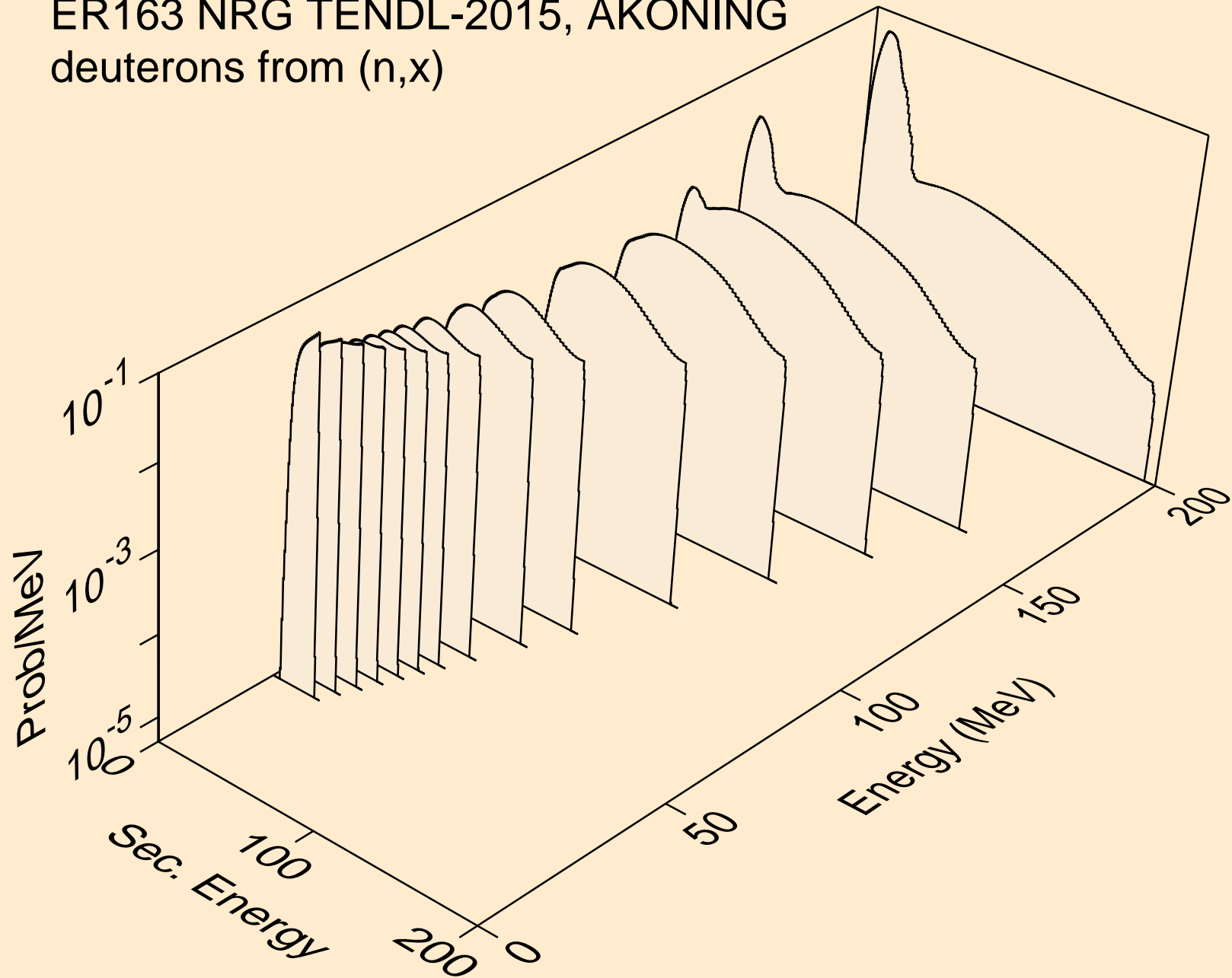
ER163 NRG TENDL-2015, AKONING  
protons from (n,pd)



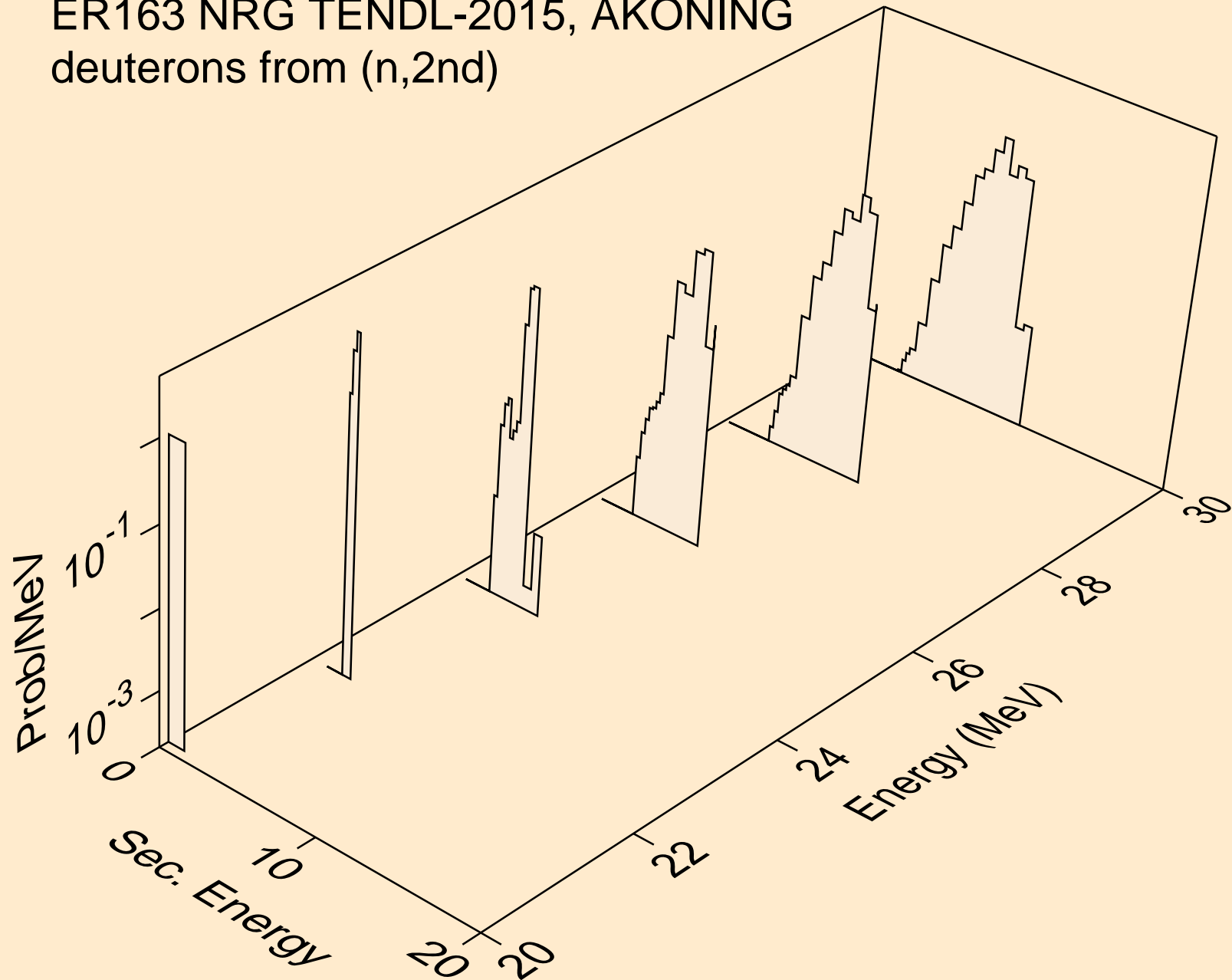
ER163 NRG TENDL-2015, AKONING  
protons from (n,pt)



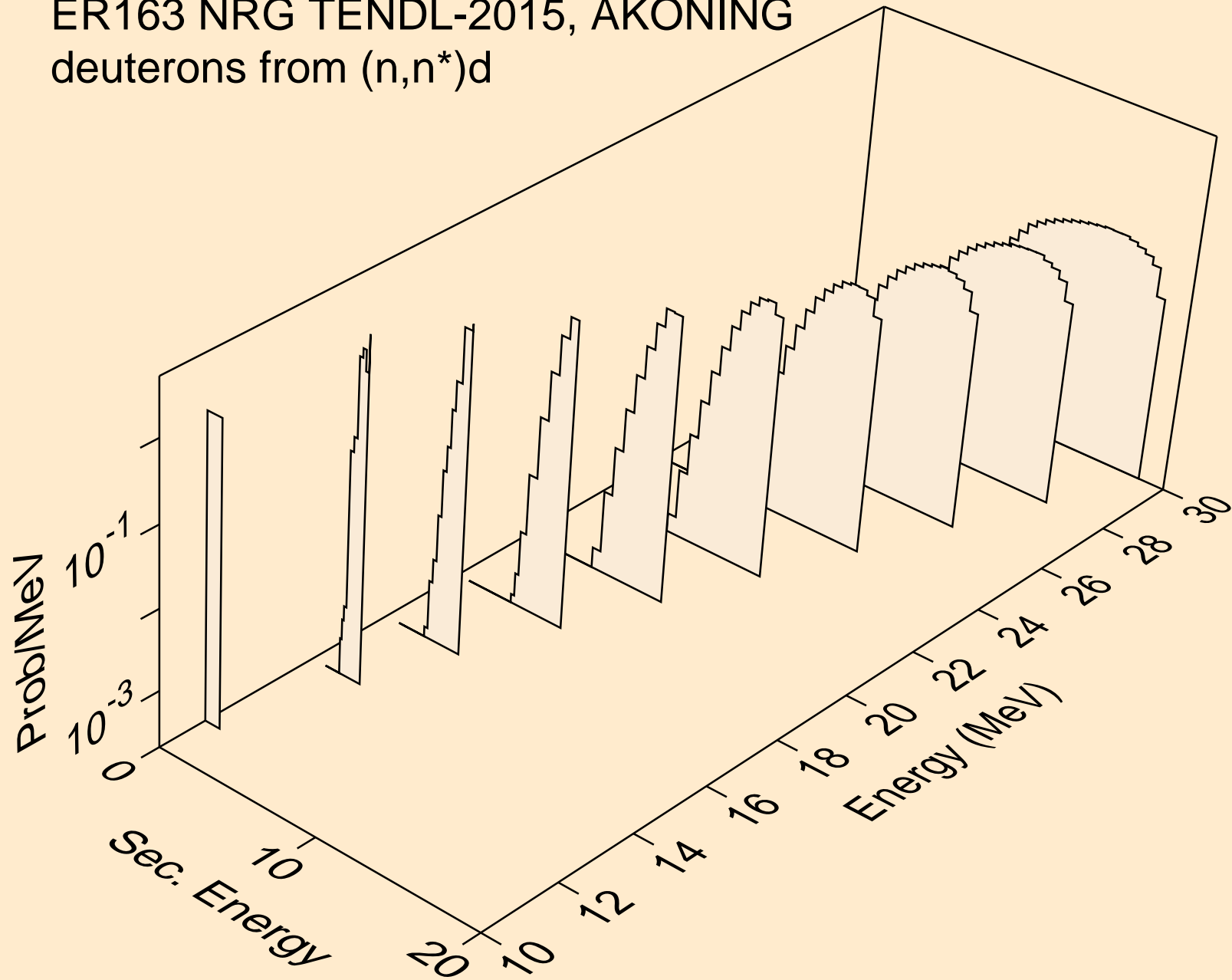
ER163 NRG TENDL-2015, AKONING  
deuterons from (n,x)



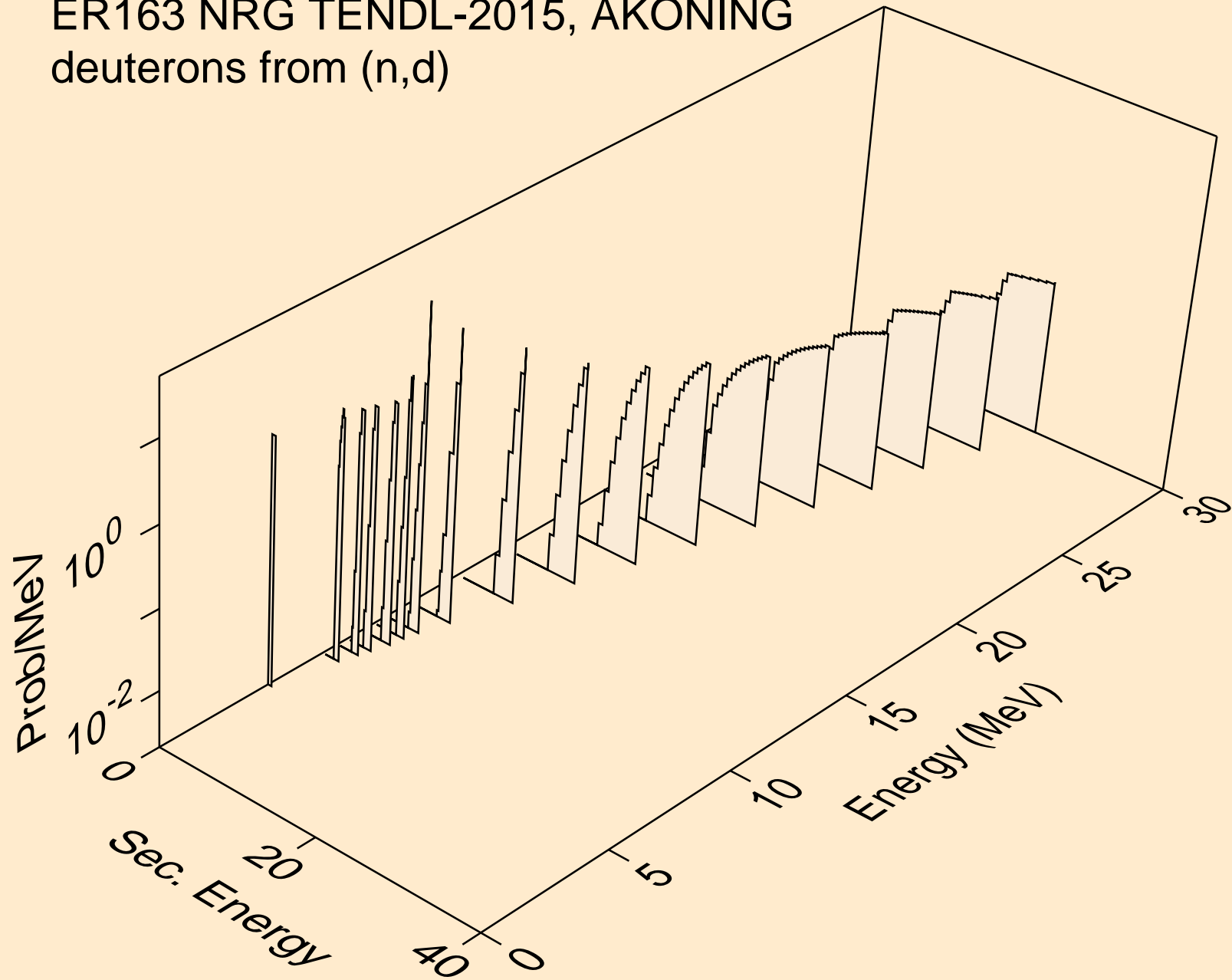
ER163 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



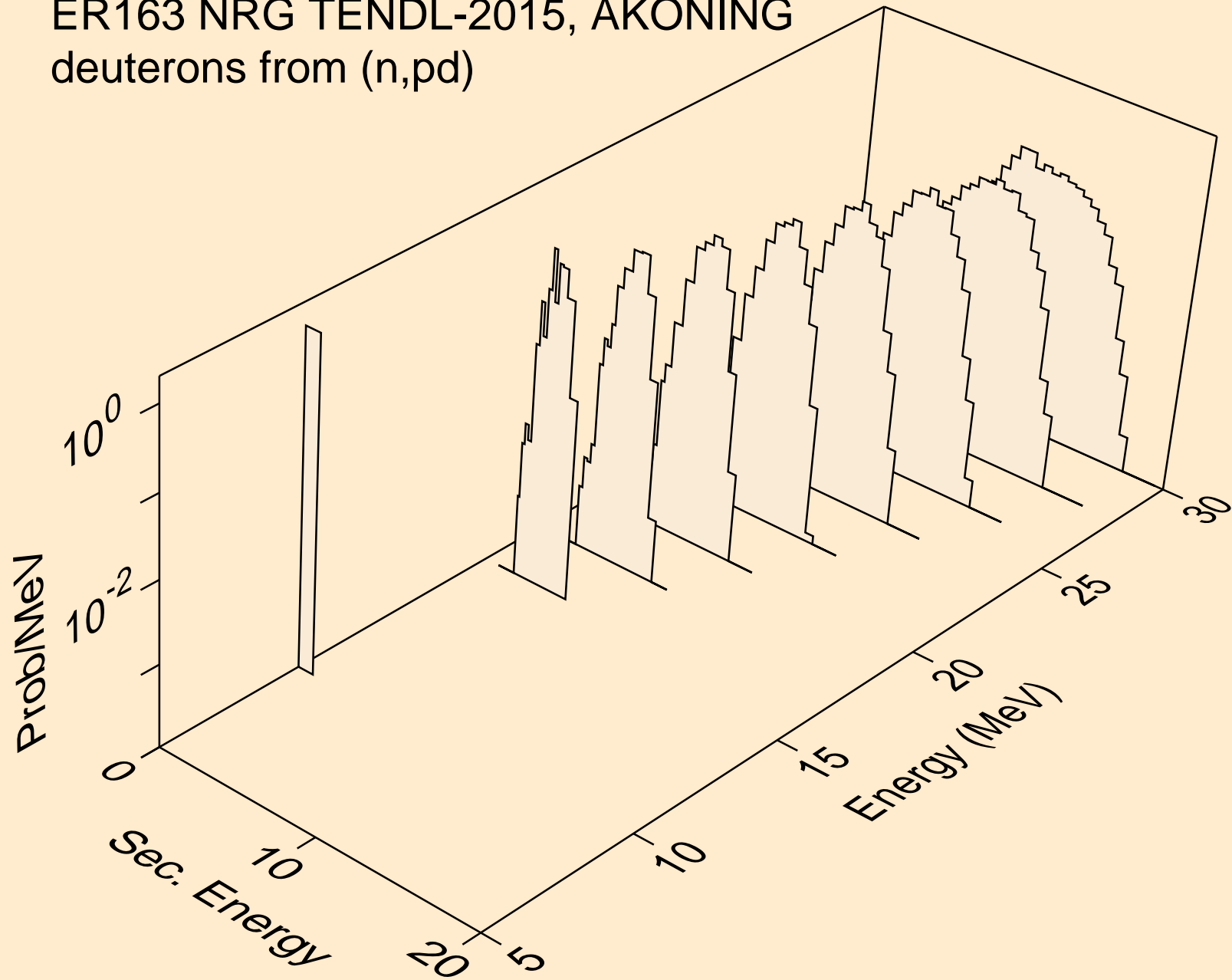
ER163 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



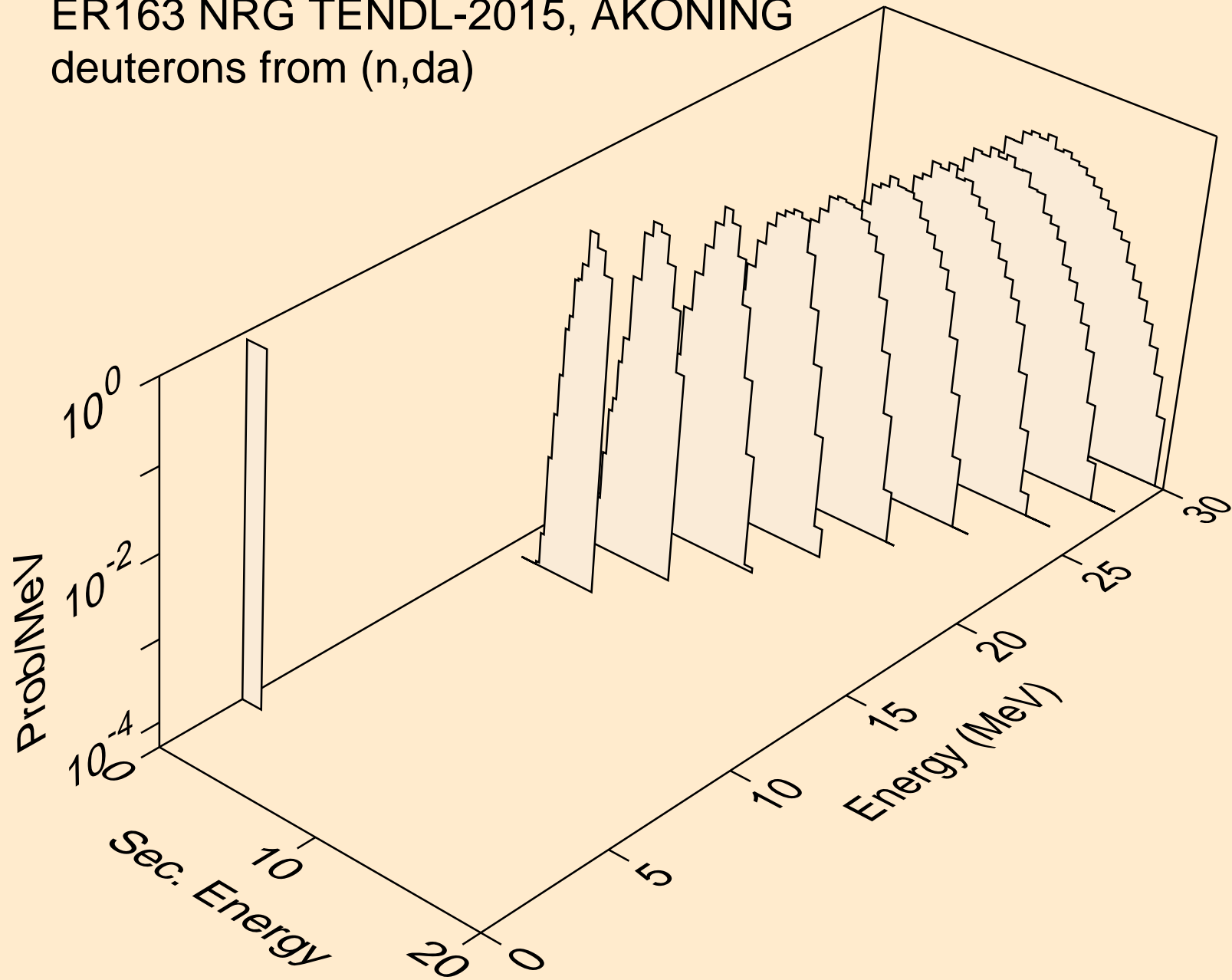
ER163 NRG TENDL-2015, AKONING  
deuterons from (n,d)



ER163 NRG TENDL-2015, AKONING  
deuterons from (n,pd)

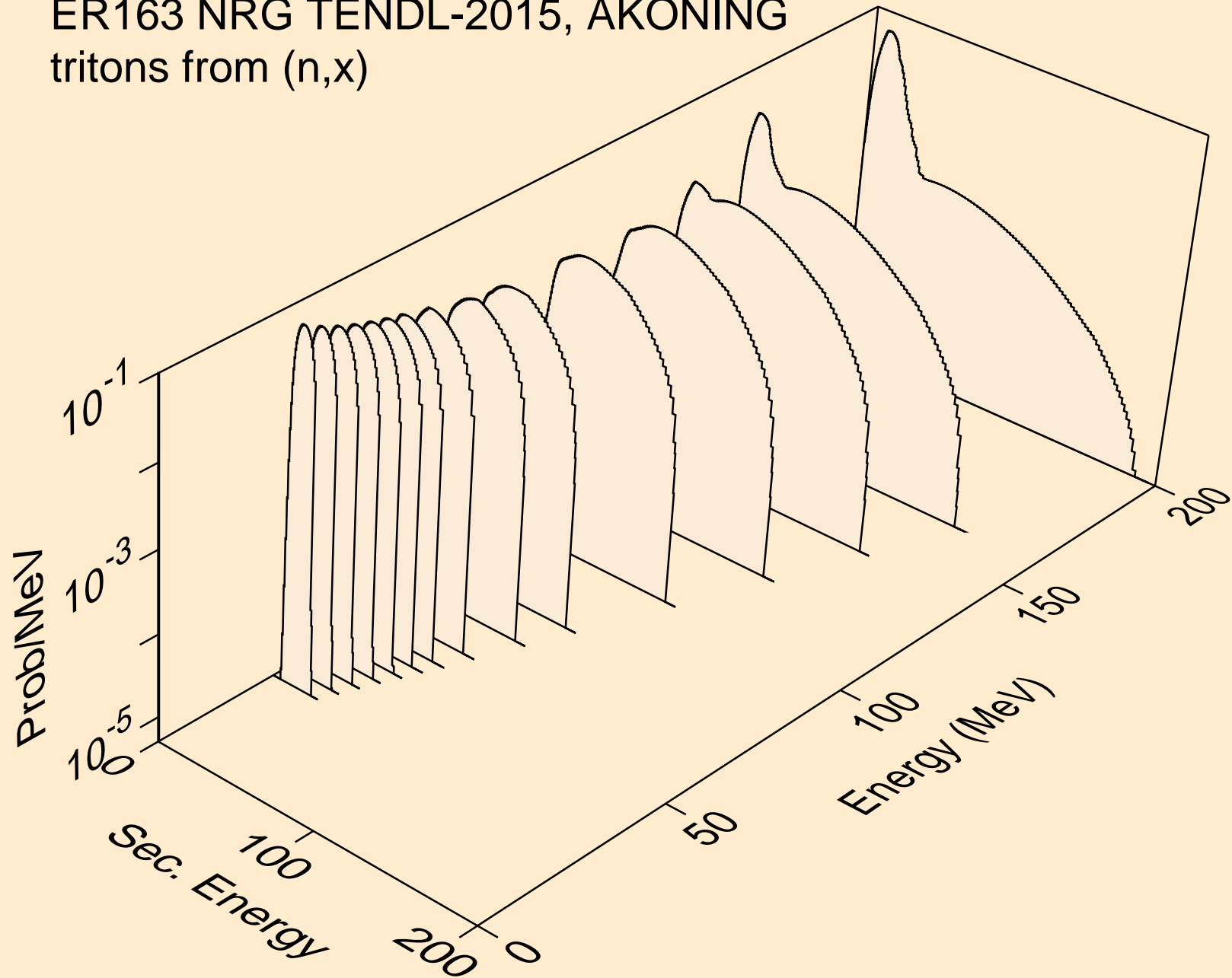


ER163 NRG TENDL-2015, AKONING  
deuterons from (n,da)

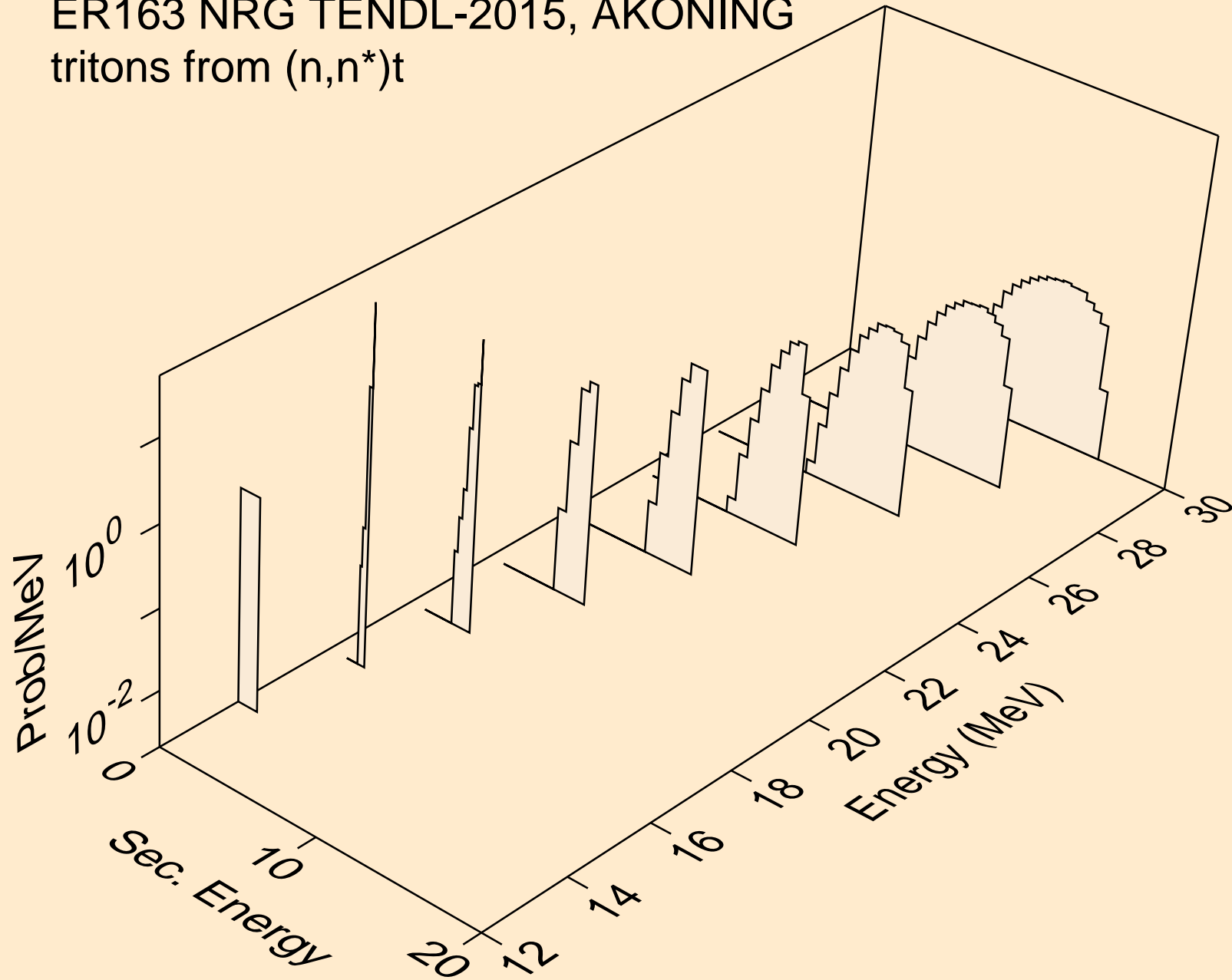




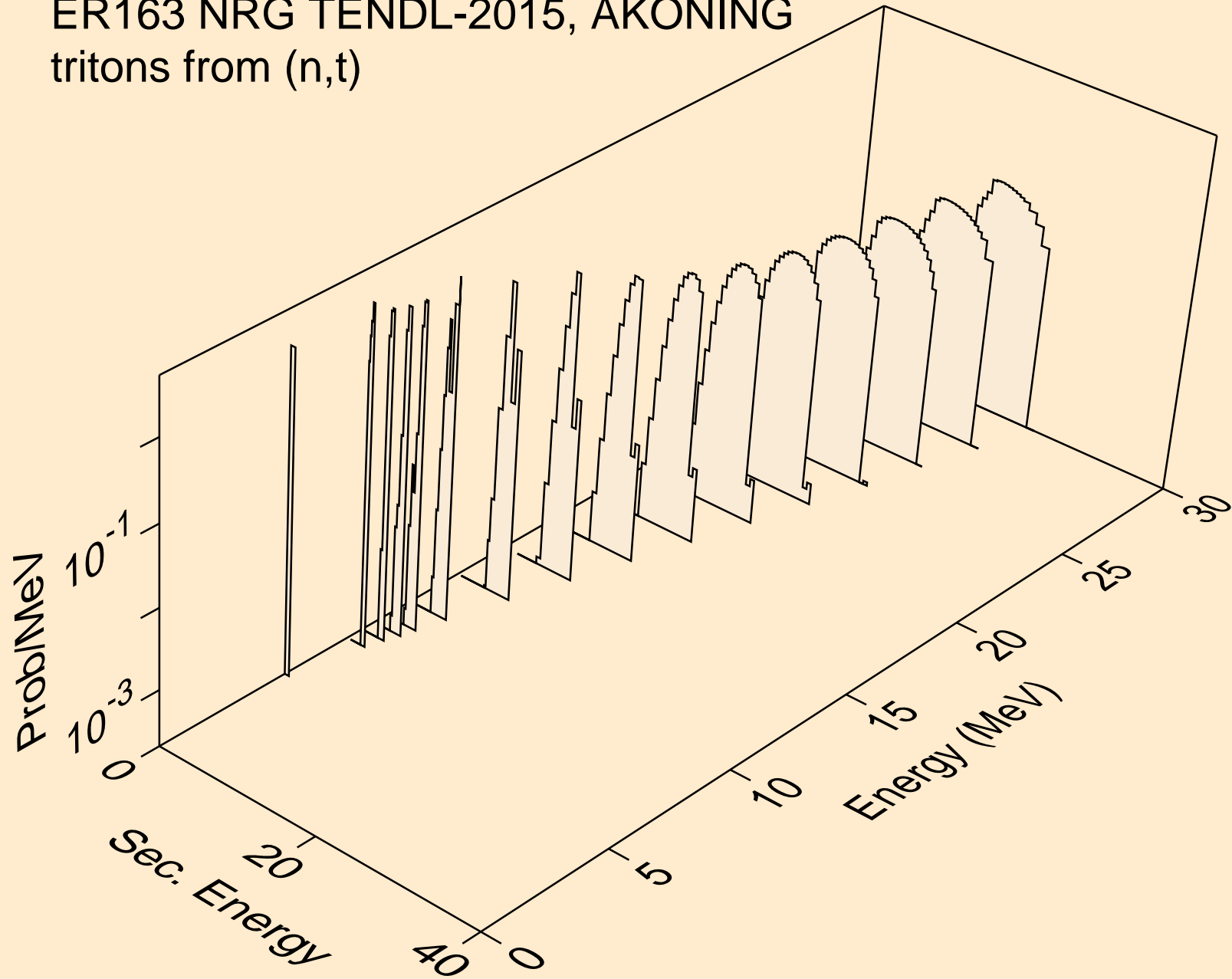
ER163 NRG TENDL-2015, AKONING  
tritons from (n,x)



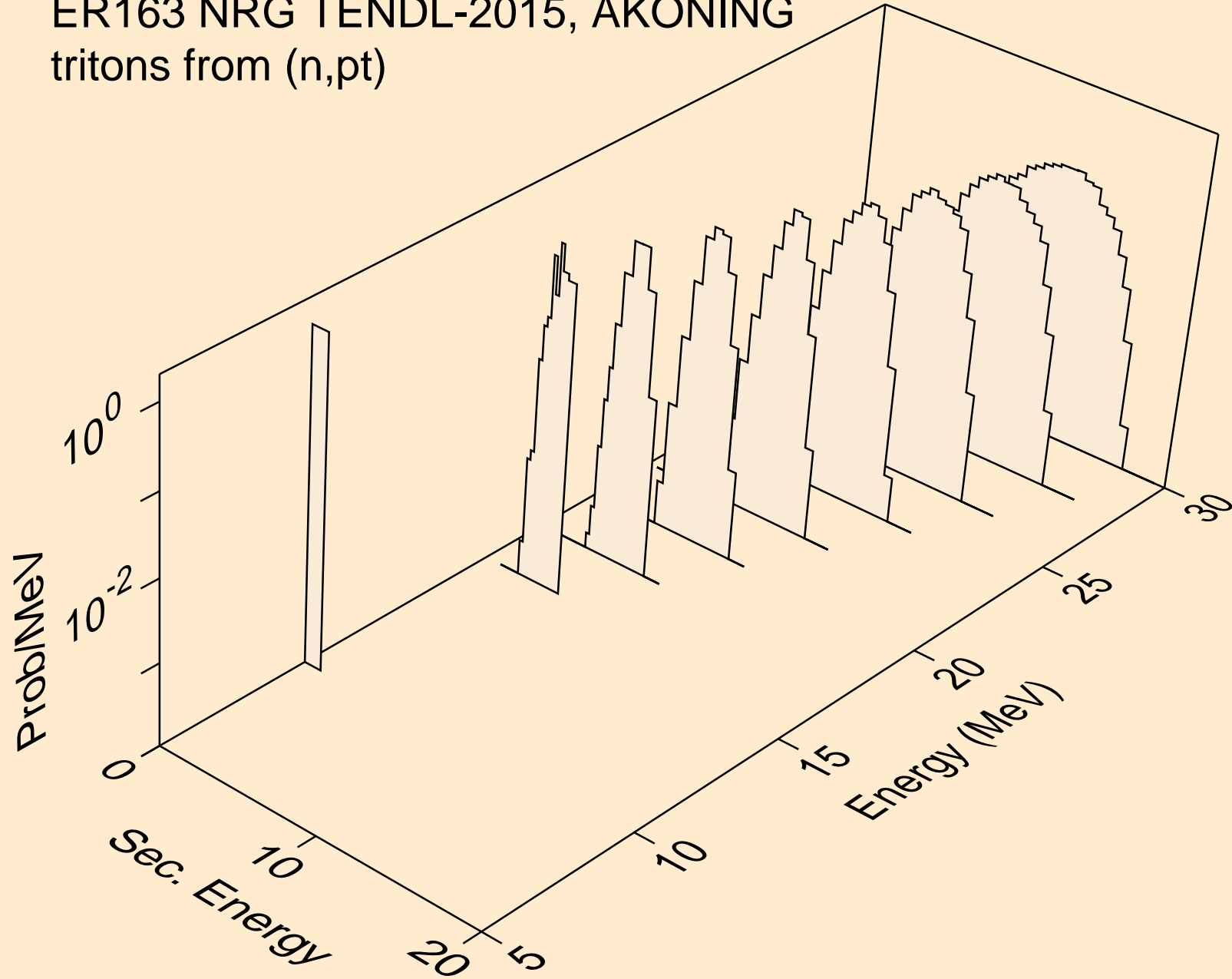
ER163 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



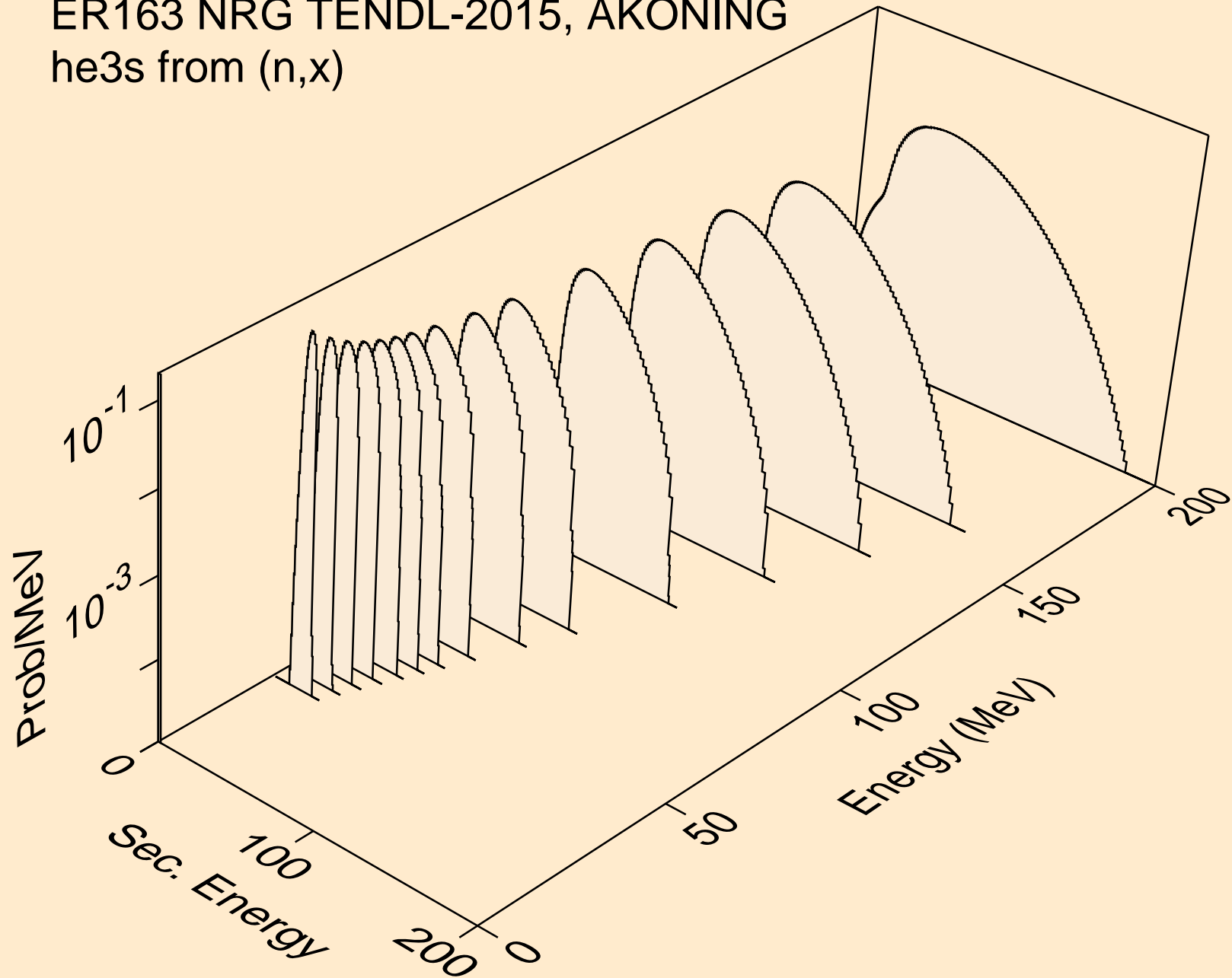
ER163 NRG TENDL-2015, AKONING  
tritons from (n,t)



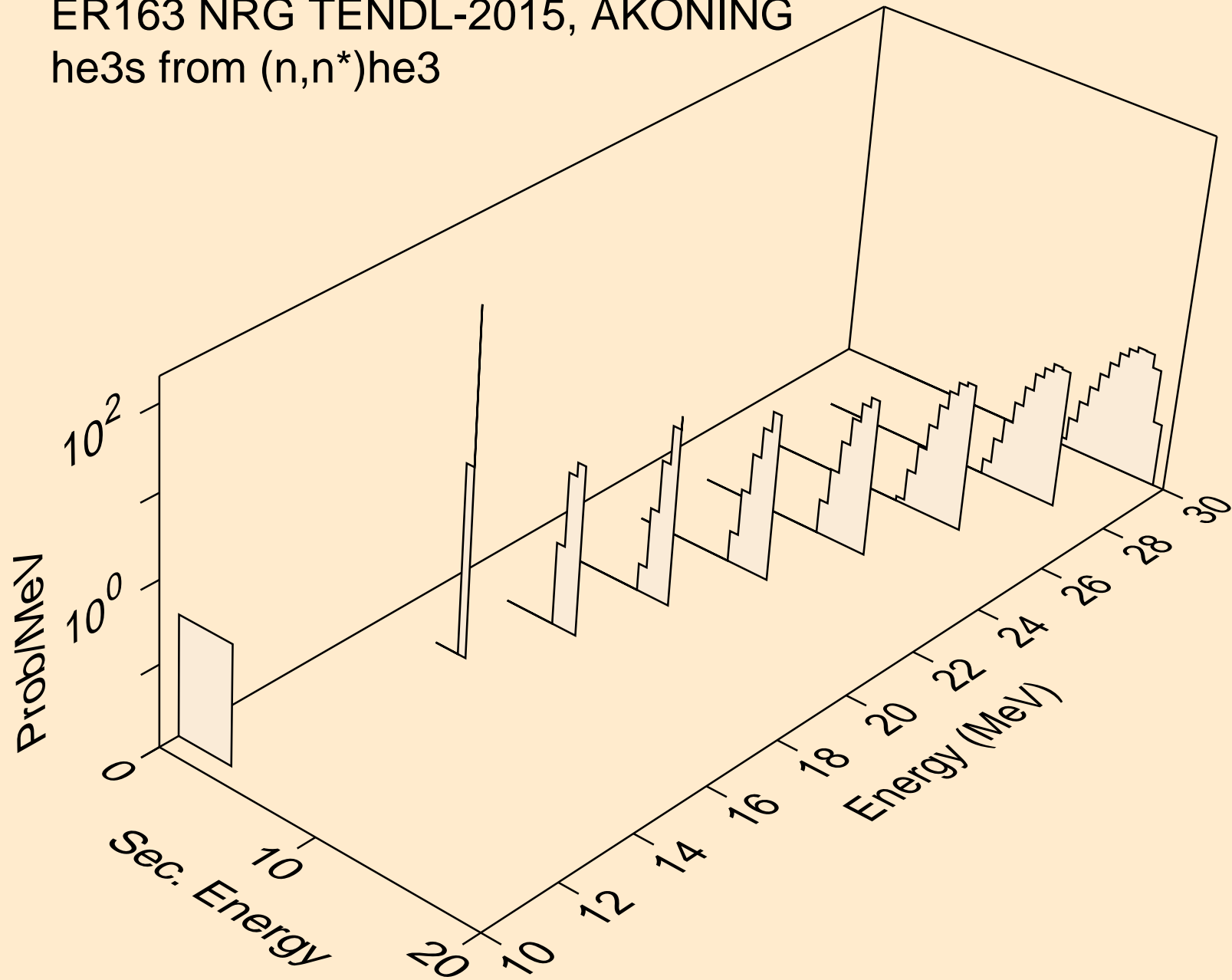
ER163 NRG TENDL-2015, AKONING  
tritons from (n,pt)



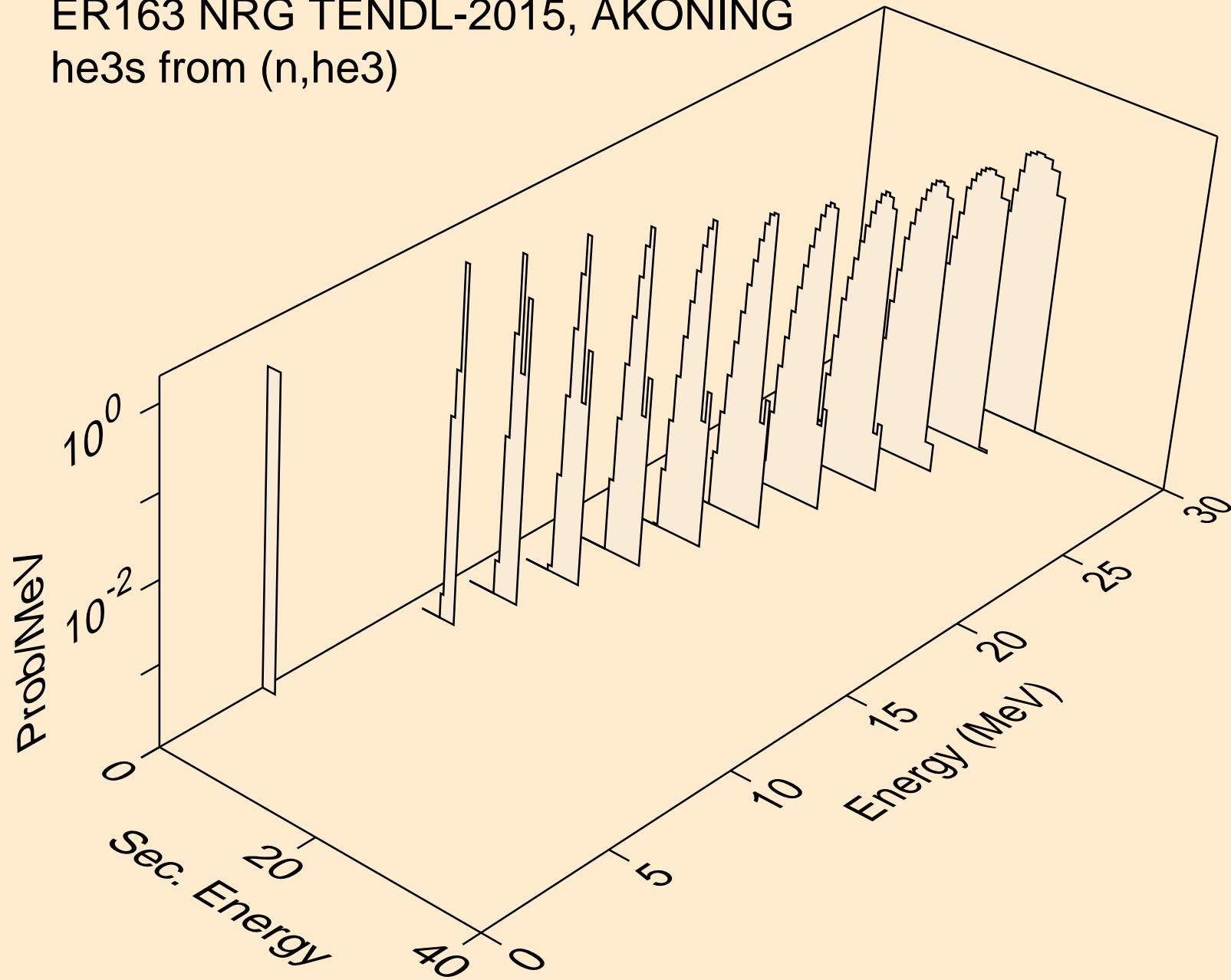
ER163 NRG TENDL-2015, AKONING  
he3s from (n,x)



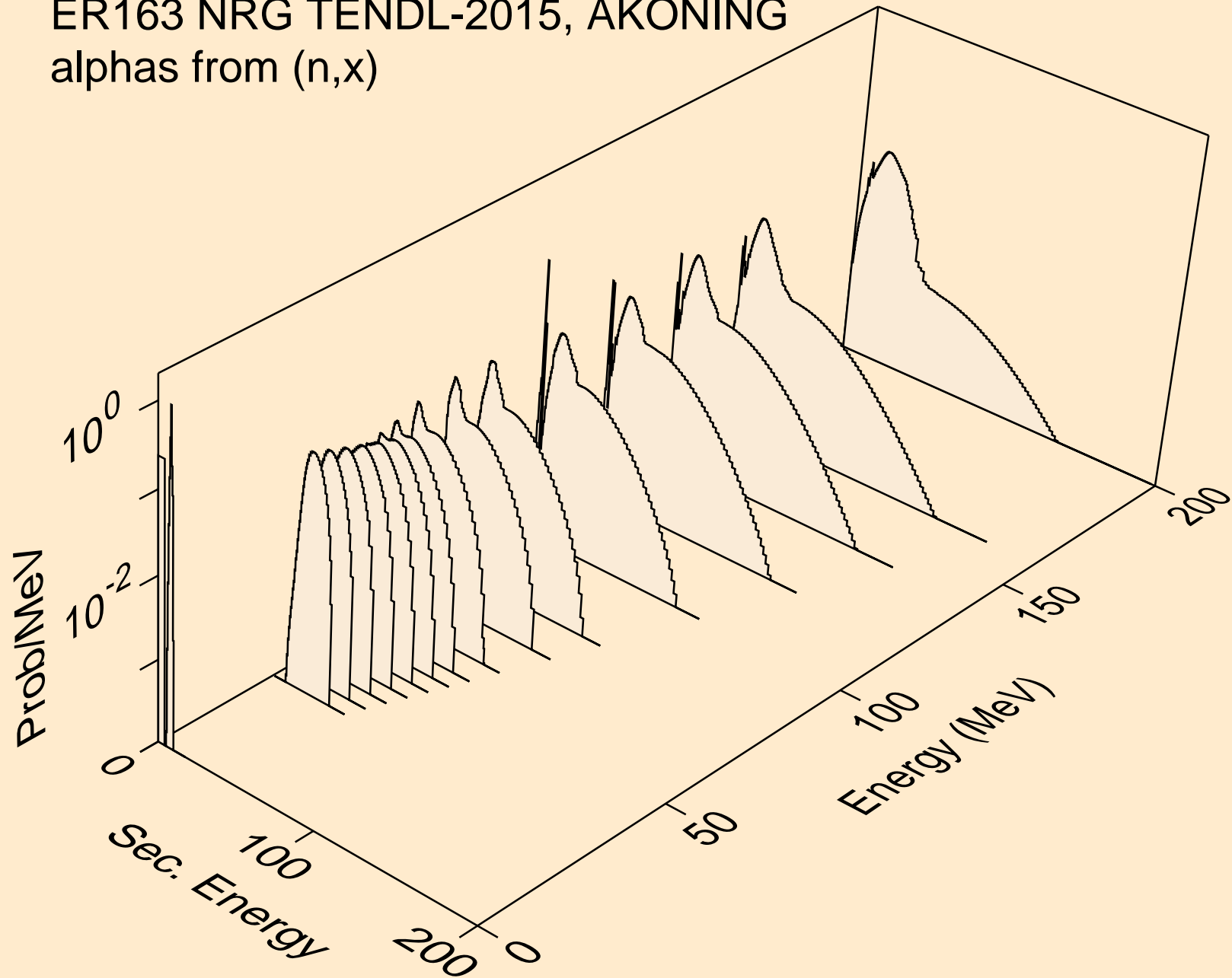
ER163 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



ER163 NRG TENDL-2015, AKONING  
he3s from (n,he3)

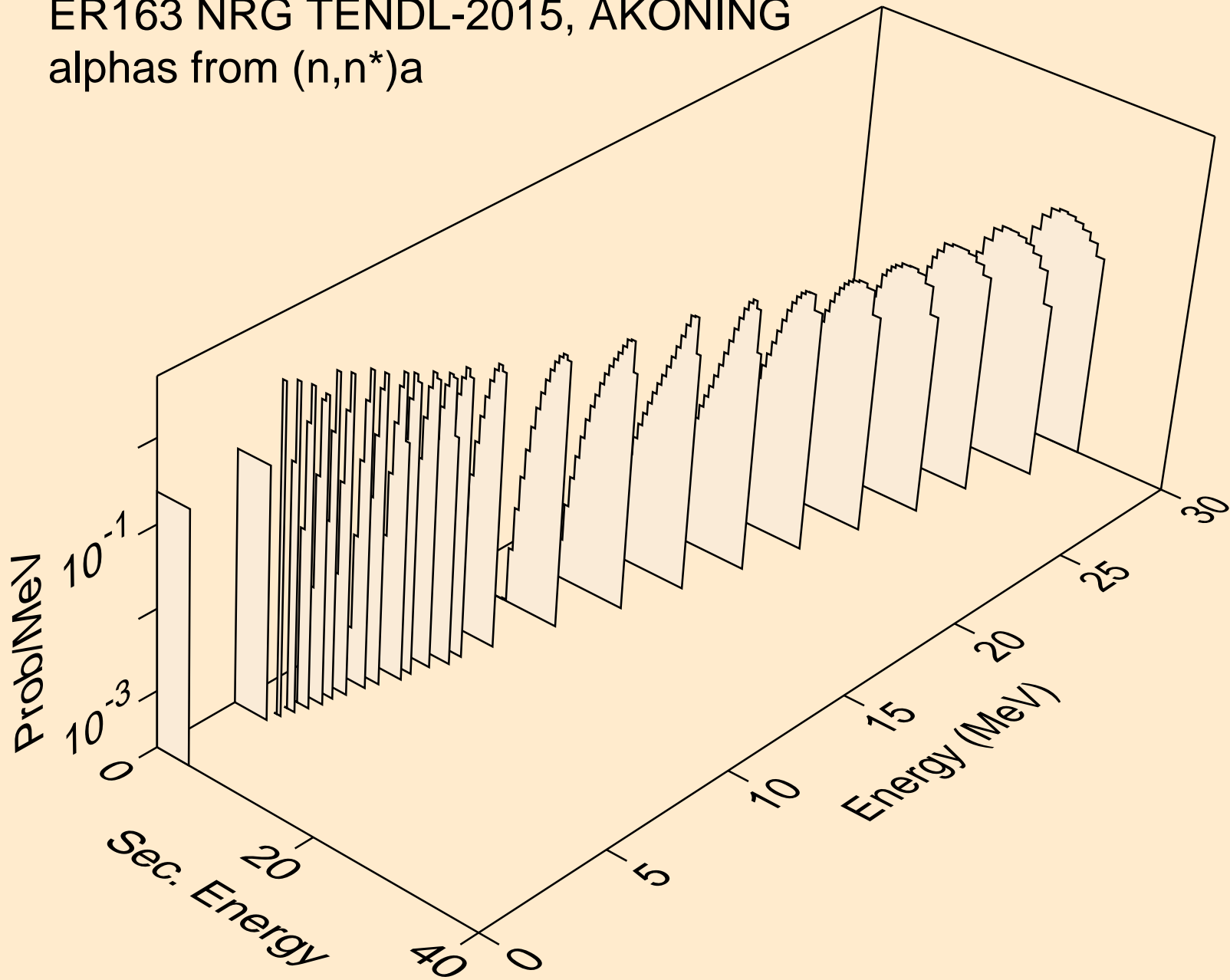


ER163 NRG TENDL-2015, AKONING  
alphas from (n,x)

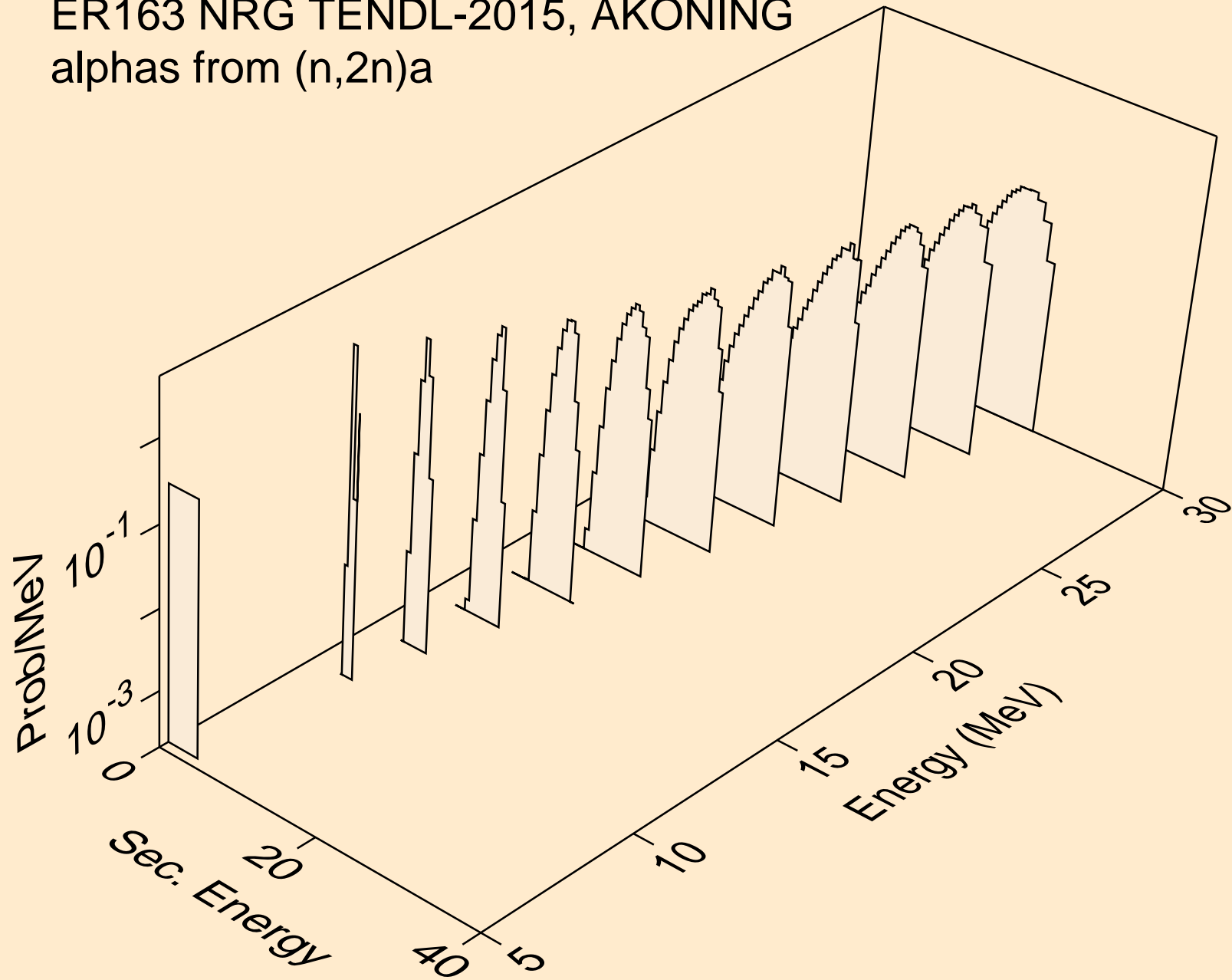




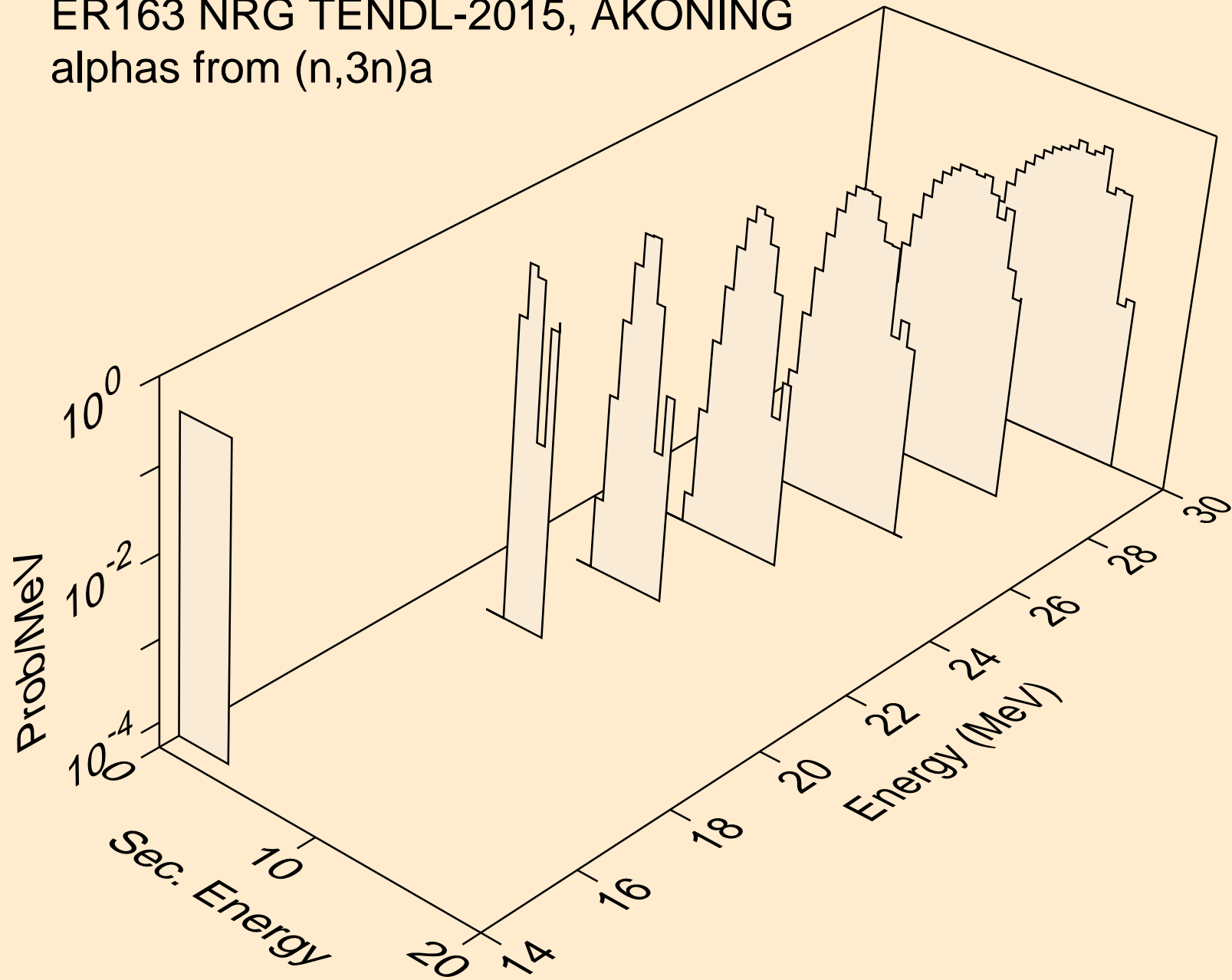
ER163 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



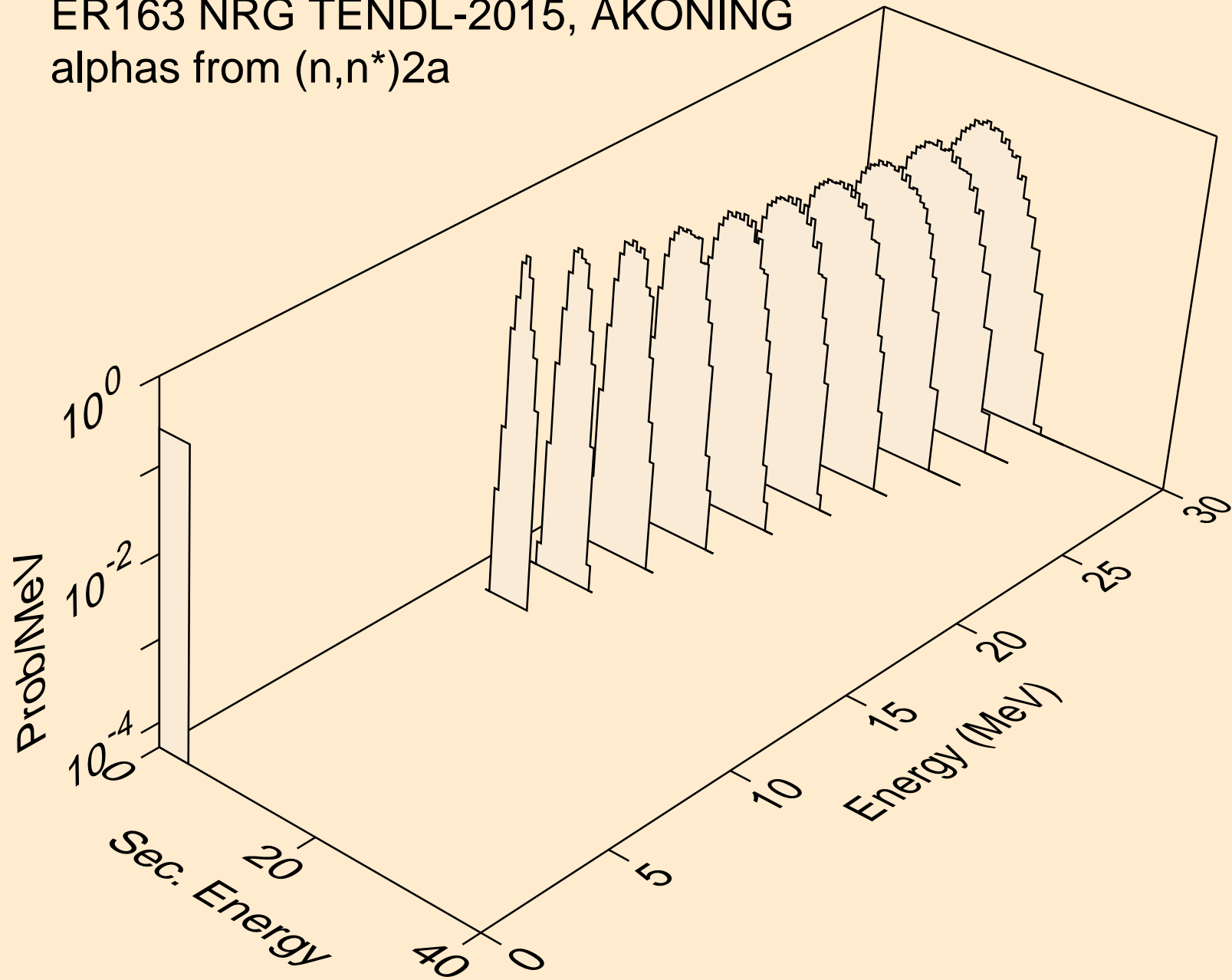
ER163 NRG TENDL-2015, AKONING  
alphas from (n,2n)a



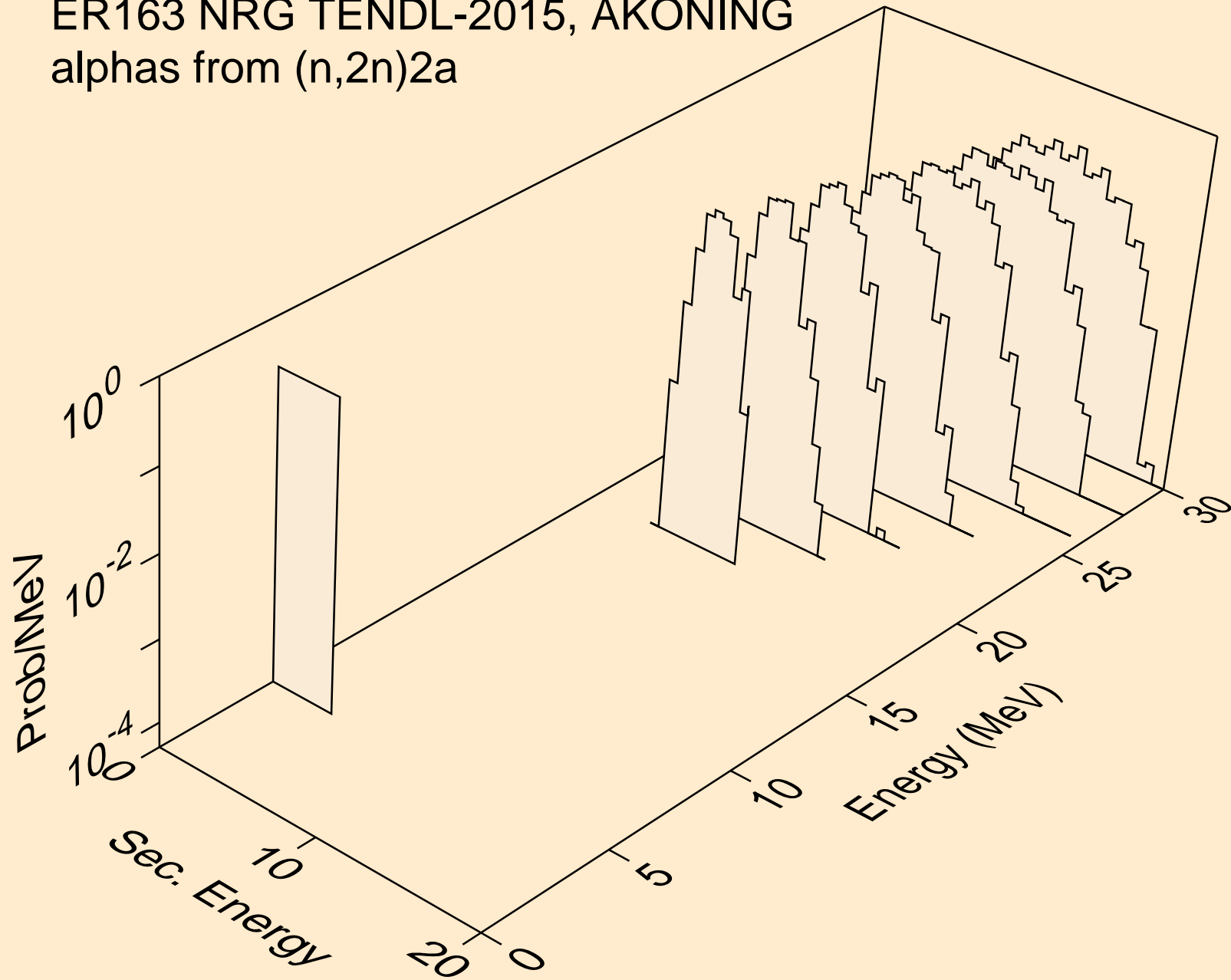
ER163 NRG TENDL-2015, AKONING  
alphas from (n,3n)a



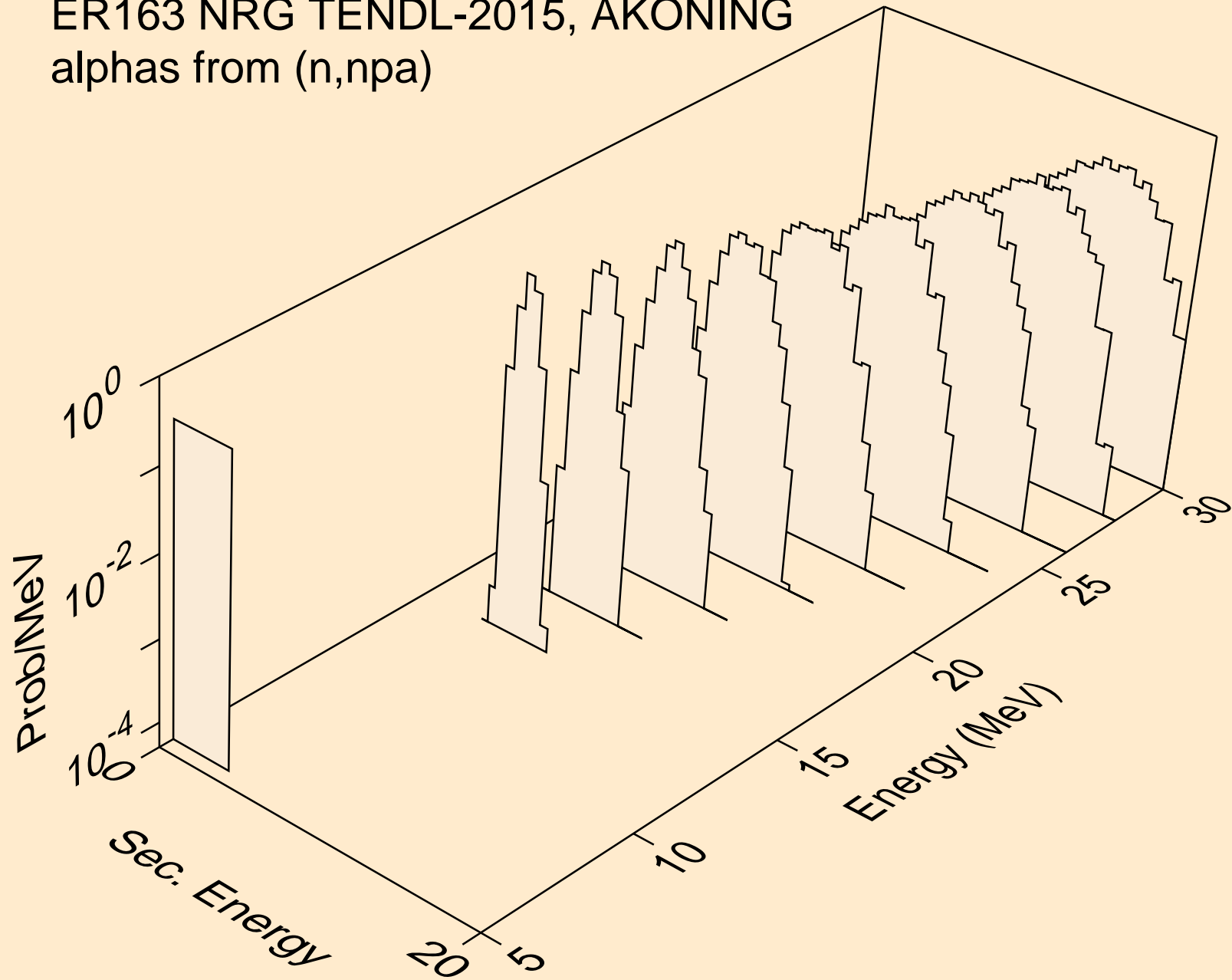
ER163 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



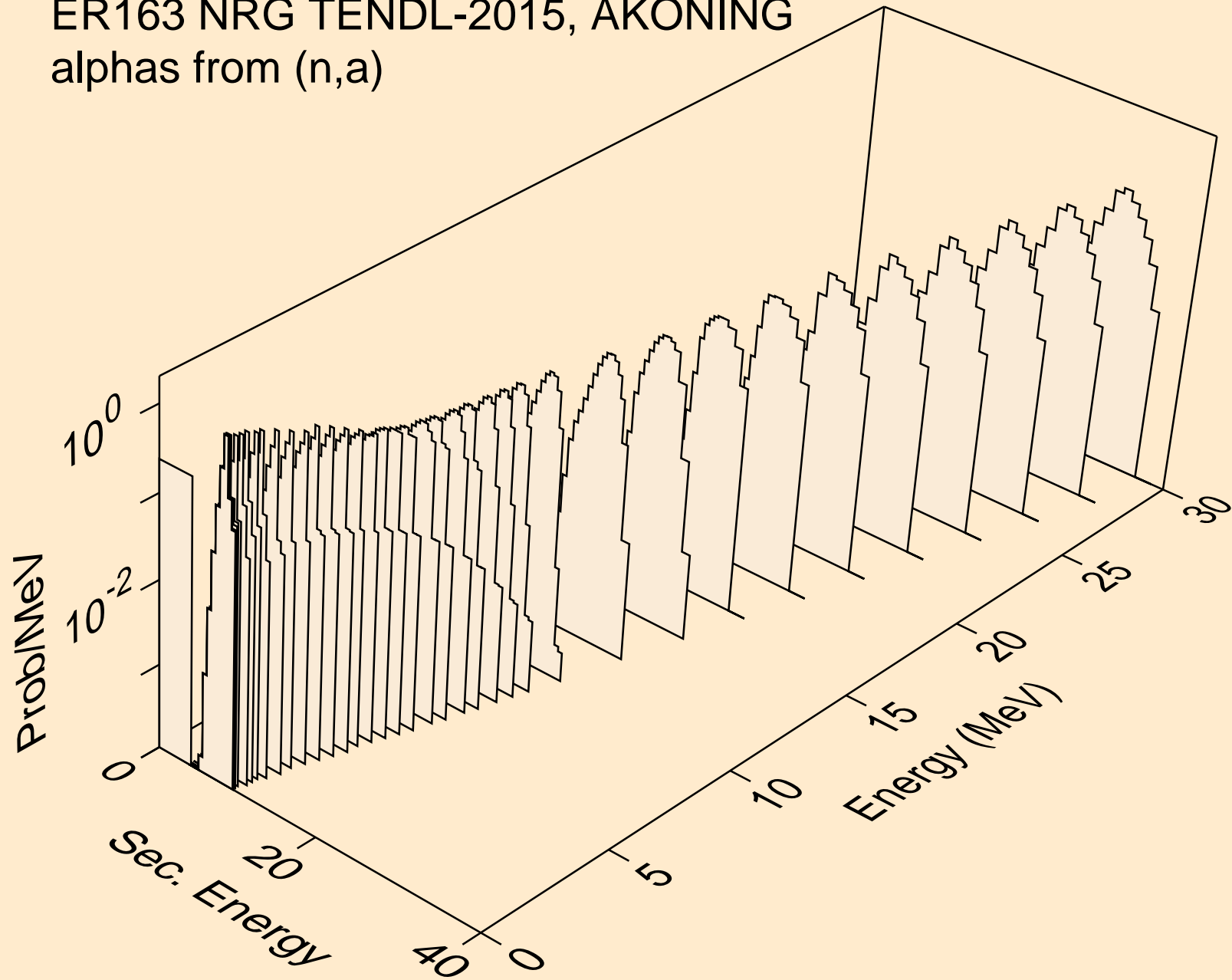
ER163 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a



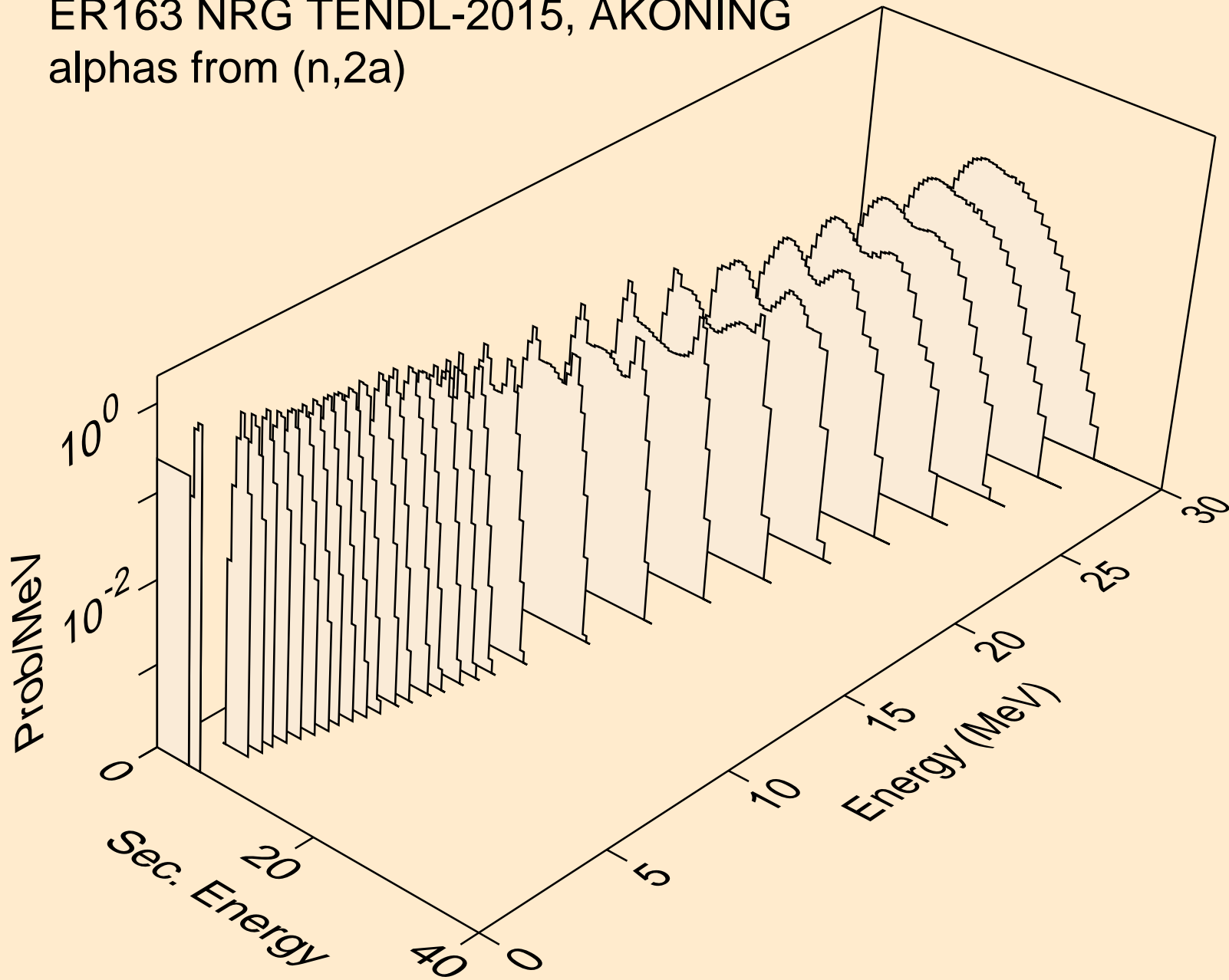
ER163 NRG TENDL-2015, AKONING  
alphas from (n,npa)



ER163 NRG TENDL-2015, AKONING  
alphas from (n,a)

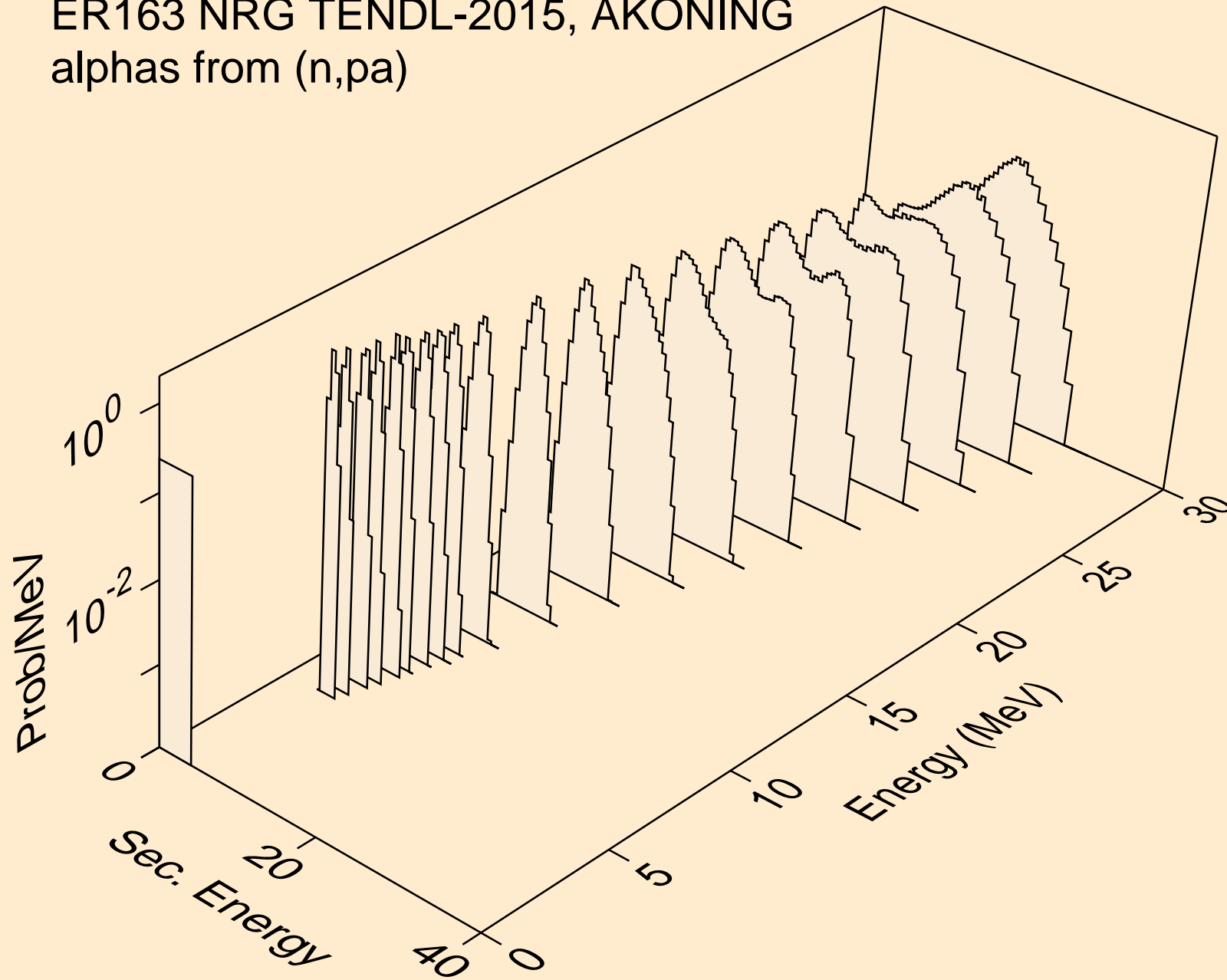


ER163 NRG TENDL-2015, AKONING  
alphas from (n,2a)





ER163 NRG TENDL-2015, AKONING  
alphas from (n,pa)



ER163 NRG TENDL-2015, AKONING  
alphas from (n,da)

